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for RETAILER — WHOLESALER — MANUFACTURER
APRIL 28, 1951

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The

CHEMIST AND DRUGGIST

for RETAILER — WHOLESALER — MANUFACTURER

APRIL 28, 1951

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NEWS OF THE WEEK

Optical Diplomas. — At a recent ex-ination in Glasgow for the diploma in nthalmic optics of the Institute of Opti- Science, the following pharmacists were ong the successful candidates: Messrs. A. Dickinson, A. L. Geddes, J. P. Gib-, P. Muir, I. McF. Murray, J. R. Pat-son and J. S. Struthers.

Statutory Committee.—The Statutory mmittee of the Pharmaceutical Society o meet at 17 Bloomsbury Square, Lon-, W.C.1, at 2.30 p.m., on May 2, to nsider information and evidence from ich it appears that a member of the ciety was convicted of offences under Dangerous Drugs Acts and Regula-ns.

Poliomyelitis Research. — Alderman E. Reneson Coucher (chairman, Infan- Paralysis Fellowship) said at a dinner the Federation in York on April 21, that Federation was to form a research or-nisation which leading medical authori- were being invited to join. Britain had been named by the World Health Organisation as one of three centres most affected by infantile paralysis.

Torquay Tariff Talks End.—The third round of tariff negotiations between countries subscribing to the General Agreement on Tariffs and Trade ended at Torquay on April 21. Four legal instruments, embodying the results of the conference, were opened for signature by the participating delegates. Details of any tax changes brought about by the agreements will not be made public until May 9.

Ministerial Changes.—Sir Hartley Shawcross, K.C., has been appointed President of the Board of Trade and Mr. Alfred Robens, Minister of Labour and National Service, following the resignations of Mr. Harold Wilson and Mr. Aneurin Bevan. Mr. John Freeman (Parliamentary Secretary to the Ministry of Supply) announced his resignation from that position on April 24.

Advertisement Lighting Again. — The Advertisement Lighting (Prohibition) Order 1951 was revoked on April 15. A letter from the Ministry of Fuel and Power to the Electrical Sign Manufacturers' Association states: "Barring some wholly unforeseen eventuality, it is not our intention to ban advertisement lighting again next winter. We feel that restrictions on the use of electricity during peak hours, for advertisement lighting purposes, should suffice to meet our needs."

New Import Licence Form.—The import Licensing Branch of the Board of Trade has introduced a revised form of application for import licence, ILB/A (revised), for goods other than vehicles, machinery, plant, scientific instruments and parts. The applicant, in effect, completes his own form of import licence with two copies, which, if approved, will be validated as a licence by the Board of Trade. Applications for licences on the old form of application will still be accepted, but the Board of Trade hopes that importers will use the new form as soon as possible.

Pharmacology Symposia Plans. — The Fine Chemicals Group of the Society of Chemical Industry held a reception recently to discuss informally with leading experts and representatives of other scientific societies the problems of considering and co-ordinating data on the mechanism of drug action, and the relationship between physico-chemical properties and biological activities of medicinal substances. As a result the Biological Council undertook to convene a further meeting of representatives of interested learned societies in the autumn to discuss subjects considered suitable for symposia in the field of drug action.

Medical Auxiliaries in N.H.S.—The Reports of the Cope Committees on medical auxiliaries, published recently as a White Paper (H.M. Stationery Office, price 5s.), recommend the setting-up of national registers. Eight committees considered the supply and demand, training and qualifications of medical auxiliaries, almoner, chiropodist, dietician, medical laboratory technician, occupational therapist, physiotherapist, radiographer and speech therapist) in the National Health Service. The committees were unanimous that persons qualified for employment in N.H.S. should be eligible for registration and, conversely, that no one should be appointed to a post who was not on the national register. There was a difference of opinion over t method of registration.

Fertilisers Price Increases.—The Bo of Trade has made an Order (S.I. 19 No. 636) effective since April 16, wh provides increased maximum prices for all fertilisers in Great Britain other th muriate and sulphate of potash, but cluding compound fertilisers; and (b) fertilisers in Northern Ireland other th muriate and sulphate of potash, grou phosphate and compound fertilisers. T increases in price will be 3s. 6d. per t for triple superphosphates, "nitro-chal and concentrated complete fertilis 3s. per ton for sulphate of ammonia; per ton for basic slag; and 1s. 9d. per t for compound fertilisers, ground phosph and superphosphates. The increases to cover higher delivery costs due to increase in rail freights.

Chemists Federation. — At a meeti of the Chemists Federation council held April 5, the president (Mr. Norm Dewey) in the chair, an application manufacturer membership by Heat Park Laboratories, Ltd., Kent House, Regent Street, London, W.1, in respect Glucozime was accepted. An applicat by Ridley (Wholesale Chemists), Lt Collier Lane, Carlisle, for wholesaler me bership was accepted. Meetings of C.F. Propaganda Committee and C Standards Committee were held on A 4. The Standards Committee continued work of examining further C.F. produ included the C.F. list before the establi ment of C.F. standards. The recomm dations of the Propaganda Committee w approved by the Council. The Cou received a report upon the work of outdoor representative since the previ meeting.

Export Licensing Control Changes The Board of Trade announces that fr April 16 licences will be required for ports to all destinations of certain dr and chemicals. In Group 13 (1) the foll ing items are added: Mandrake (*pe tum*). Sulphur dioxide and its derivati the following, and mixtures consist mainly of one or more of these materia Acetone metal bisulphites; aldehyde m bisulphites; dithionites (hydrosulphit metabisulphites (bisulphites); sulphi sulphoxylates; sulphurous acid; thio phates. Licences will also be required the export to destinations other than th specified in the Third Schedule of

levant Order of micro-balances (giving direct reading to, and with a sensitivity 0.001 mgm.), and certain types of specographs, spectrophotometers, spectroeters and monochromators for ultra-viot, visible or infra-red light, and electroatic separators.

LOCAL NEWS

Hospital Dispensary Raided.—Thieves roke into the dispensary at All Saints Iospital, Chatham, on April 24, and stole quantity of Dangerous Drugs. The thieves re thought to have forced an entry hrough the dispensary hatch. The missing rugs include morphine, and tablets of eroin and morphine.

Rota Extension Sought. — The Kestven Executive Council recently agreed to ake further representation to the Minisr of Health to try to persuade him to llow chemists on rota hours in Grantham nd Sleaford to remain open until 7.30 m. as at present. The Minister had reused to allow a continuation of a half-our extension.

Slough Branch Presentation.—At the nnual meeting of the Slough Branch of e Pharmaceutical Society on April 10, presentation of a wristlet watch was ade to Miss J. Hincks (chief pharmacist, pton Hospital, Slough), who has been ranch secretary for the past five years. Ir. H. P. Elliott (treasurer) made the prentation on behalf of the Branch members.

Guild Branch Officers.— At the annual eeting of the Hants, Dorset, South Wilts nd Isle of Wight Branch, Guild of Public harmacists, recently, the following officers ere elected: *Chairman,* Mr. K. Ellery; *ice-chairman,* Mr. D. E. Smith; *Treaurer,* Mr. V. E. Benjafield; *Secretary,* Mr. . W. Jenkins (Royal South Hants Hosital, Southampton), and *Assistant Secreary,* Miss H. Gibb.

Edinburgh Annual Meeting.—Speaking the annual meeting of the Edinburgh nd South-eastern Scottish Branch of the harmaceutical Society, the chairman Mr. G. Hedderwick) drew attention to the le of the pharmacist in civil defence. he following officers were elected or relected:—*Chairman,* Mr. G. Hedderwick; *ice-chairman,* Mr. F. Hepburn; *Secreary* and *Treasurer,* Mr. E. Knott, 72 raigleith Road, Edinburgh. On the otion of Mr. C. G. Drummond a vote f thanks was passed to the retiring officeearers.

Students' Annual Dance.—More than 200 students and friends attended the sessional dance organised by the Students' Union, School of Pharmacy, University of London, on April 18. The programme included novelty dances for which prizes were given, and a demonstration by a member of the Magic Circle. The function had been organised by Mr. B. T. Kean (social secretary and M.C. of the dance) and the committee (Miss I. Whitehouse, Miss S. Sells and Mr. M. Jepson). The Dean of the College (Professor H. Berry) and Professor W. H. Linnell were among the guests.

Chemists' Golf. — The results of a Edinburgh Chemists' Golf Club competition held at Liberton recently were as follows:—H. B. tankard, Mr. R. R. Jeffrey (12), 76; Club prizes, no. 1 section (a tie), Messrs. R. F. Muir (5) and J. H. Scott (7), 78; no. 2 section, Mr. S. W. Herd (12), 78; best scratch score, Mr. J. B. McCaig, 78. — The London Chemists' Golfing Society's first meeting of the season was held at Crews Hill Golf club on April 18 when the Leichner cup medal was won by Mr. E. C. Pryce (14) with a net 70. A prize presented by D. & W. Gibbs, Ltd., was won by Mr. T. W. Griffiths (12), 2 down on bogey.

Isle of Man Health Service. — The chairman of the Isle of Man Health Services Board stated in Tynwald recently that the amount saved in the four months ended January 31, by the prescription charge of sixpence, was £2,183, and on the charge for containers, £275. The main saving, he said, was expected from the deterrent effect of the charge. Exceptions from payment were 7,337 children, 1,648 pensioners, and 463 persons incapacitated through illness. A committee of four doctors and one chemist had been appointed to investigate prescribing. Doctors had been asked not to prescribe proprietary preparations unless it was in the patients' interests to do so. The heavy rate of sickness in January resulted in 41,771 prescriptions. The total for the year was 321,783, costing £55,026; the current year's estimate was £50,412. The full effect of the economy measures would not be apparent for some time. The Board were watching the trend of affairs in England following the Budget proposal to make a charge for spectacles and dentures there.

Midlands Pharmacists' Visit. — At the invitation of Burroughs Wellcome & Co., a party of public pharmacists from the Midlands visited the Wellcome Museum of Medical Science and the Wellcome Historical Medical Library, Euston Road, London, on April 5. They were later taken by coach to the Wellcome Research Laboratories, Beckenham, and in the evening were entertained to dinner, Dr. D. E. Wheeler (joint managing director, Wellcome Foundation, Ltd.), presiding.

Glasgow Discusses Charter Proposals. —A special meeting of the Glasgow and South-western Scottish Branch of the Pharmaceutical Society was held on March 28 to discuss the draft Supplemental Charter (see *C. & D.*, January 20, p. 90). Several speakers were apprehensive of the effects of the requirement "to maintain the honour and safeguard and promote the interests of the members in the exercise of the profession of pharmacy." They thought the clause too wide in its implications. The use of the title "pharmaceutical chemist" and granting of Fellowships were also discussed. Mr. G. Milne (chairman) read a letter from the Sheffield Branch which proposed amendments to the Charter (see p. 536), and it was agreed to support most of the proposals. The following members were appointed to attend the Branch Representatives' Meeting: The chairman, vice-chairman and secretary of the Branch, Messrs. Walker, Murray, Brodie, McCrone, Birrell, Peebles, McKay and Culbert.

IRISH NEWS

Methylated Spirit Fire.—The breaking of a jar of methylated spirit on delivery by a vanman led to damage by fire to the Dundonald Pharmacy, Belfast. The spirit was ignited by a gas stove but the fire was speedily put out.

Londonderry Rota Service.—A Health Service rota scheme for chemists was inaugurated in Londonderry recently. It provided for two or three pharmacies to be open between 8.30 and 9.30 p.m. on weekdays and between 11.30 a.m. and 12.30 p.m. and 7 and 8 p.m. on Sundays and certain public holidays, for the sale of urgent medicines and appliances.

Students' Holiday Camp.—A holiday camp for pharmaceutical students is to be opened at Copenhagen under the auspices of the International Pharmaceutical Student's Federation. Students from some eleven countries are to attend. It is pr posed to send a number of students fro Ireland and, as the number of vacanc is limited, students wishing to join t Camp should write for particulars witho delay to the secretary of the Irish Pha maceutical Students' Association, 67 Low Mount Street, Dublin. All applications f places have to be lodged with the gene secretary before May 1.

WHOLESALE DRUG FEDERATION OF IRELAND

THE Wholesale Drug Federation of I land held its annual dinner in Dublin April 9, Mr. J. Fasken (president) in t chair. The attendance included Mess T. C. Scott (president, Pharmaceutical S ciety of Ireland), J. P. Kissane (vice-pre dent), J. G. Coleman (registrar), D. Wou (president, Irish Drug Association), G. O'Neill (vice-president), and B. R. Smi (secretary). In addition to a large numb of Dublin wholesalers and their ladies p sent were Messrs. A. V. Tully, Castler and T. Barrett, Ballina. After the to "The President of Ireland" had be honoured, MR. G. C. O'NEILL propos "The Wholesale Drug Federation of I land." He asked wholesalers to rememb the Licentiates of the Pharmaceutical S ciety of Ireland whenever they were ma ing appointments to their staffs. As a tailer he could say that he liked to that the men "on the road" were Lice tiates of the Society wherever possible. was a kind thought to present the la guests with boxes of chocolates.

MR. FASKEN, responding to the toa thanked all present for the way in whi the toast had been honoured. MR. P. CAHILL proposed "Our Guests" and tended a cordial welcome to the ladi MR. T. C. SCOTT, responding, thanked t wholesalers for providing an enjoyal evening. He was delighted to see Mr. F ken, a native of Aberdeen, in the cha In Dublin pharmacy they had several o standing men who came from that sh of Scotland. Tribute must be paid Messrs. Fasken and Cahill for what th had done to have the Prices Stands Order removed from medicinal goods. M DAVID WOULFE said the chairman a Mr. R. Kidney deserved their best thar for the organisation of the function. M A. D. DAVIDSON proposed a toast to t chairman and Mr. Kidney. Mr. Kidn replied.

TOPICAL REFLECTIONS

.H.S. Difficulties

National Health Service dispensing cupies considerable space among the ntents of last week's *C. & D.* Five items pply the material for the observations at follow. The drug-testing scheme is oroughly discussed by Mr. Hubert Blore a practical article on pp. 509-11. In the rly days of the first National Health Inrance Act you made several editorial mments on the working of the Act, exining the Regulations in full detail. The me kind of treatment has not seemed ecessary under the present system, as its utine administration resembles fairly osely that of the N.H.I. Acts. Occaonally, however, an examination like the e referred to is helpful. If any of your aders are uncertain about the difference etween a Local Pharmaceutical Comittee and a Pharmaceutical Service Comittee, they can find the functions of both xplained on pp. 403-04 of your current ear Book. Mr. Blore's treatment of his bject may be summed up as consisting f two parts: how to avoid errors in disensing, and what to do if they happen. ne important precaution is to have the mpounding of every prescription superised by a pharmacist. To test the measureents of new containers and to be wary of arbouring stock mixtures are further safeuards. Over-anxiety in presence of a test rescription—a feature mentioned by your ntributor—should be conquered.

djustments

The other entries referred to in my preious paragraph are on pp. 490, 491, 495, 14. They throw some light, though not a eam of high candle-power, on panel cheists' N.H.S. difficulties. A successful plication for a refund has been made in orthern Ireland by a patient who had aid £10 for an expensive drug ordered y private prescription. It appeared that consultant had expressed the opinion at the General Health Services Board ould probably not pay for the treatment, e crisis of the illness having passed. The harmacist who dispensed the drug has resumably had the worry of following the roceedings from stage to stage, though e responsibility for them was not his. eturning to Great Britain, we find a nonmmittal reply given in the House of ommons to a question by Mr. H. N. Linstead on arrears of payment to panel contractors. We next find an exhortation to prescribers to "go slow" with the ordering of drugs, chemicals and preparations owing their finished form to the use of sulphur or of sulphuric acid during manufacture. The question naturally occurring to dispensers is: Will prescribers take so much trouble? Finally, a pharmacist in the Ministry of Health has told a Pharmaceutical Committee that a "strict" actuarial check on selected accounts from chemists is being kept, so as to see "how payment on the averaging system and on full pricing compared." We may regard this fact as holding out a hope that something will come of it sooner or later.

Coroners' Courts

From these doubts and fears let us turn to the more cheerful subject of coroners and their courts. The statistics given by Dr. W. B. Purchase, at a London evening meeting of the Pharmaceutical Society, on coroners in England and Wales (p. 515), are useful; and his judicious remarks on the attitude of pharmacists to customers receiving potent medicaments will be much appreciated by those in retail business. It has sometimes been remarked (and I agree) that the ideal qualification for a coroner is the dual one of barrister or solicitor and medical man. The attendance of a chemist, pharmaceutical or other, as a witness in a coroner's court, can have awkward consequences. In June 1935 and February 1936 you gave timely advice on this subject; on the latter occasion your observations were based on a Departmental Committee report issued a few days earlier. That Committee stated with emphasis that in its opinion "the coroner's jurisdiction ought to be limited to an investigation of the facts, how, when and where the death occurred"; and added that "investigation of facts should be clearly distinguished from the trial of liability whether civil or criminal." That clear-cut view is sound common sense. "Yet," you commented, "how often has a chemist been violently censured upon *ex-parte* evidence, and without the assistance of any advocate to protect him, in a coroner's court!" I may cite your suggestion that any chemist summoned to appear in coroners' courts should have the backing of a barrister or solicitor.

Xrayser

COMPANY NEWS

POTTER & CLARKE, LTD.—No dividend (the same) is to be declared for 1950. Loss amounted to £9,200, against a profit of £2,600 in 1949.

UNITED GLASS BOTTLE MANUFACTURERS, LTD.—Net profit for 1950 amounted to £479,390, against £474,479 in the previous year. A final ordinary dividend is recommended of 5 per cent., making a total distribution of 17½ per cent., against 15 per cent. in 1949.

MONSANTO CHEMICALS, LTD.—At an extraordinary general meeting, held on April 24 resolutions increasing the capital of the company to £6,300,000 by the creation of 1,500,000 4¾ per cent. redeemable cumulative second preference shares of £1 each and 7,200,000 additional ordinary shares of 5s. each and capitalising £1,800,000, part of the share premium account, were carried unanimously. The 1,500,000 £1 redeemable cumulative second preference shares are to be offered very shortly to the public at par. Preference is to be given to applications from preference and ordinary stockholders, and the staff. The new shares are redeemable at 22s. between 1956 and 1961, 21s. 6d. between 1961 and 1971, 21s. between 1971 and 1981, and thereafter at par until 2052, when they become irredeemable.

New Companies

UNITED SULPHURIC ACID CORPORATION, LTD. (P.C.).—Capital £100. Solicitors: Linklaters & Paines, 6 Austin Friars, London, E.C.2. (See p. 540).

JOHN DAVIES (LLANELLY), LTD. (P.C.). —Capital £2,000. To carry on the business of manufacturing, pharmaceutical and general chemists, etc. First directors are to be appointed. R.O.: 18 Stepney Street, Llanelly.

WINROOPE (CHEMISTS), LTD. (P.C.).—Capital £2,000. To carry on the business of pharmaceutical, manufacturing and general chemists, etc. Stanley Winroope, M.P.S., and Leah Winroope, directors. R.O.: 38 Bricknell Avenue, Hull.

E. HOPKINSON, LTD. (P.C.). — Capital £1,000. Objects: To carry on the business of pharmaceutical and general chemists, etc. Ernest Hopkinson, M.P.S., and Edna Hopkinson, directors. R.O.: 208 Town Street, Bramley, Leeds.

SHERINGHAM CHEMICALS, LTD. (P.C.).—Capital £3,000. To carry on the busines of manufacturers of, agents for and dea lers in chemicals, etc. Adolf Goldfinge and Norbert Geller, directors. R.O.: 1 Station Road, Swinton, Lancs.

PALL MALL PHARMACY, LTD. (P.C.).—Capital £100. To acquire the business o a pharmaceutical chemist and optician car ried on at 180 Pall Mall, Leigh-on-Sea Robert Tildesley, M.P.S., and Christina W Tildesley, directors.

COVENTRY SURGICAL CO., LTD. (P.C.).—Capital £1,000. To carry on the busines of makers of and dealers in medical, sur gical and optical requisites, and chemists sundries and drugs, etc. Reginald Harrison director. Solicitors: Band, Hatton & Co. Coventry.

BARTLETT, MARRIS & CO., LTD. (P.C.) —Capital £100. To carry on the busines of importers and manufacturers of an dealers in toilet sponges of all kinds, syn thetic sponges, sponge rubber, etc. Mervy R. Bartlett, and Franz M. Mayer, direc tors. R.O.: Jamaica Buildings, St Michael's Alley, Cornhill, London, E.C.3

BUSINESS CHANGES

MR. S. G. BUNNELL, M.P.S., has re opened the pharmacy at 42 Tweedal Street, Rochdale.

MISS M. T. KELLEHER, M.P.S.I., ha set up in business at The Medical Hal Ballyvourney, co. Cork.

DUNLOP RUBBER CO., LTD., have ap pointed Mr. S. A. Mousley sales manage of the company's general rubber good division in Manchester.

MISS A. K. MCCUNE, M.P.S.I., ha transferred her pharmaceutical busines from 142 Great Victoria Street, Belfast, t 171 Rosetta Road, Knockbreda, Belfast.

EVANS MEDICAL SUPPLIES, LTD., Speke Liverpool, 19, have appointed Mr. A. D Cromwell-Morgan, M.P.S., manager of th export marketing (A) department.

THE telephone number of Allen & Han burys, Ltd., at both their Wigmore Stree and Vere Street branches, is to be change to Grosvenor 7571 from April 28.

W. SUTTON & CO., DRUGGISTS' SUN DRIES (LONDON), LTD., Horseshoe Lan Enfield, Middlesex, have appointed Mr T. M. Ruxton their representative in nort and east London.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

The Chancellor of the Exchequer was asked by Mr. F. J. Errol on April 17 what representations he had received in favour of the intention contained in Purchase Tax No. 4 Order to increase the duty on home permanent waving outfits from 33⅓ per cent. to 100 per cent. Mr. Hugh Gaitskell: I have received representations to that effect from manufacturers and wholesalers of hairdressing goods and beauty preparations. They do not see why the rate of tax on home permanent waving outfits should differ from that on other articles sold to the public for personal beauty treatment.

Purchase Tax Refund

Mr. M. Redmayne asked the Chancellor of the Exchequer on April 17, how he proposed to refund to retailers the purchase tax paid on stock now exempt from tax. Mr. Hugh Gaitskell: I do not propose to do so.

Medical Auxiliaries Report

Mr. Ian Mikardo asked the Minister of Health on April 19 if he would make a statement on the reports of the committees which, under the chairmanship of Mr. Zachary Cope, considered the supply, demand, training and qualification of almoners, chiropodists, dieticians, medical laboratory assistants, occupational therapists, physiotherapists, radiographers and speech therapists in the National Health Service. Mr. H. A. Marquand (Minister of Health) replied that the recommendations on registration made in the majority reports, which would require legislation, would now be taken by him and the Secretary for Scotland as the basis for discussions with the appropriate organisations. Pending the establishment of official registration machinery, the recommended qualifications would be applied to new applicants for posts in the Service.

Medicine Bottles Supply

Wing-Commander E. E. Bullus asked the Minister of Health on April 19 if, in view of the shortage of medicine bottles, he would make a small charge to patients for such bottles, in order to ensure their return for further use. Mr. H. A. Marquand: No, but I would again appeal to the public to return medicine bottles in a clean condition to their chemists.

Morphine in Trains

Commander J. F. Maitland asked the Minister of Transport whether he would introduce legislation to enable a supply of morphine to be included among the drugs and appliances which are kept in railway trains for service in case of accident. Mr. A. Barnes, in a written reply on April 16, said: I could not recommend such a step. If supplies of this dangerous drug were kept in railway trains, the risks of its misuse would in my view outweigh any possible advantages. Experience has shown that qualified medical staff, with supplies of the necessary drugs, are almost invariably on the scene of an accident quickly.

LEGAL REPORTS

Pharmacy Act Fines.—George H. W. Spedding, in business at Lordship Lane, East Dulwich, was recently fined a total, with costs, of £50 10s. on four summonses under the Pharmacy Acts. He was alleged to have sold strychnine, phenobarbitone, and ethylmorphine hydrochloride, though not an authorised seller of poisons, and to have used a title to suggest that he held a qualification other than that which he in fact possessed.

Drugs Obtained by Forgery. — After pleading guilty at Otley on April 20 to obtaining a Dangerous Drug (Seconal) by means of forged documents, and to attempting to obtain another drug (Amytal), Constance Margaret Capes, S.R.N., South Street, Rawdon, was given a conditional discharge on payment of £4 14s. 6d. costs. On her behalf it was asked that fifteen other cases of obtaining drugs by forgery should be taken into consideration. After stating that Capes was a most competent woman, the prosecution said that she had had prescriptions from a doctor for Seconal tablets and had continued to obtain them by forging his name after he had ceased to prescribe them. In the second summons she had been given a National Health Service prescription and had inserted an additional entry for capsules. As the chemist noticed that the writing was different he did not supply them. Interviewed by the police, Capes admitted she had written them out at home and declared that the drugs had "certainly got hold of" her. She added that she must try and pull herself together.

BIRTH

GAIMSTER. — At Romford, Essex, on April 22, Helen (neé Hammond) (an Apothecaries' Hall dispenser formerly with the Royal Naval Voluntary Aid Detachment), wife of Kenneth Gaimster, B.Sc., Ph.C., 28 Howard Road, Upminster, Essex, of a son (Francis Hammond).

DEATHS

BAILEY.—At his home, Paxton House, Tawney Street, Boston, Lincs, on April 17, Mr. Edward Arthur Bailey, M.P.S., aged seventy-six. A former mayor of Boston, Mr. Bailey was an alderman and honorary freeman of the town. Apprenticed to the late Mr. Frank Thomas immediately after leaving school, he qualified in 1898. After serving ten years as pharmacist and secretary to a doctor, he acquired the business of Pilley & Son, Bargate, Boston, which had then been in existence for almost a century. Mr. Bailey built up the business on both the wholesale and retail sides. For several years he was in partnership with Mr. W. L. Alexander under the style Bailey & Alexander, prior to Mr. Bailey's retirement in 1942. He was a member of the Boston Insurance Committee from start to finish (thirty years) and was three times its chairman. He was a former chairman of the Lincs (Holland) Branch of the Pharmaceutical Society and Lincs (Holland) Pharmaceutical Association, resigning in 1945. He served for a total of thirty years as a member of the Boston town council. A biographical note on Mr. Bailey was published in the *C. & D.*, 1950.I.625.

Mr. W. L. Alexander writes: I have known Mr. E. A. Bailey well since 1922, twenty of those years as a business partner until he was forced to terminate the contract in 1942 because of continuing ill-health. Outstanding in his character were not only his acumen in business—and the tremendous amount of work he put in for his fellow townsmen as a councillor, mayor and alderman—but his thoroughness and consideration for his poorer customers, his love for his garden and for animals, and for his native town—and his appreciation of the honour of being made a freeman of the borough. This he rightly considered the highest honour that his fellow townsmen could confer on him, and though he was able to enjoy this for only a few weeks I am glad to think it was of great cheer to him when he knew how brief his days were to be. He will be mourned by many and that is, I think, the finest tribute I can pay to his memory.

BAINES.—At his home in West Parade, Lincoln, on April 4, Mr. Edward Robinson Baines, Ph.C., aged fifty-nine. A native of Louth, Lincs, Mr. Baines removed to Lincoln in 1919 and opened a business in Guildhall Street, which he conducted until his death. He is survived by his widow and a son.

BAYLEY. — On April 4, Mr. Leonard Bayley, M.P.S., Brooklands, Pine Glen Road, Ferndown, Dorset, aged seventy-two.

BEELEY. — On March 25, Mr. Harold Hedley Beeley, M.P.S., 7 Brook Lane, Grenoside, Sheffield, aged thirty-nine.

BLAIR.—In hospital at Ayr, on April 14, Mr. William King Blair, 2 Kintyre View, Girvan, Ayrs. Mr. Blair qualified as a chemist and druggist in 1901.

EVANS.—On March 21, Mr. Roland Graham Evans (managing director of Evans Central Pharmacy, Ltd., Paulton, nr. Bristol). Mr. Evans had been in business in Paulton for about forty years.

OWENS. — In St. Laurence's Hospital, Dublin, on April 20, Mr. Patrick Owens, M.P.S.I., Main Street, Baggenalstown, co. Carlow. Mr. Owens qualified in 1915.

ROBERTSON.—At 277 Bilsland Drive, Glasgow, N.W., suddenly on April 8, Mr. John Robertson, M.P.S., 144 Balmore Road, Glasgow, N. Mr. Robertson qualified in 1912.

SHEARER.—At Edinburgh, suddenly, on March 26, Mr. Donald Shearer, M.P.S., 34 Seaview Terrace, Joppa, Edinburgh. Mr. Shearer was manager of the Dalzie Co-operative Society, Ltd., 1932-48, and later set up in business for himself in Piersfield Terrace, Edinburgh.

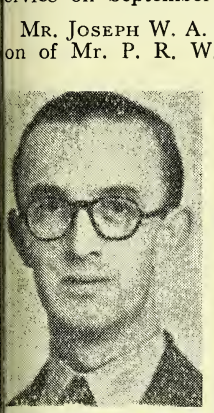
THOMPSON.—At her home, 64 Davies Road, West Bridgford, Notts, on March 14, Mrs. Frances Jane Thompson, wife of Mr. J. H. Thompson (Thos. Guest & Co., Ltd.).

PERSONALITIES

Dr. R. S. Edwards has been reappointed chairman of the Council of Industrial Design.

Dr. J. W. McDavid, C.B.E., chairman, Nobel division, Imperial Chemical Industries, Ltd., is retiring from the company's service on September 30.

Mr. Joseph W. A. Shinner, M.P.S.N.I., son of Mr. P. R. W. Shinner, Belfast (a member of the Council of the Pharmaceutical Society of Northern Ireland) is at present in London on a six months' visit to gain experience of English pharmacy. He is attached to the staff of Allen & Hanburys, Ltd., Vere Street, W.1.



Mr. J. W. A. Shinner

Mr. Anthony A. Cullinane, M.P.S.I., has been elected president of the Waterford Branch of the Catholic Young Men's Society for the tenth successive year. Mr. Cullinane is a member of the Irish Chemists' Golfing Society, and a former Rugby and Association football player.

Mr. Brian Simpson, younger son of Mr. [illegible]. Simpson, M.P.S., 920 Stockport Road, Manchester. 12, has been awarded an exhibition to Selwyn College, Cambridge.

Mr. Vivian Ross, M.P.S. (manager of Stonham & Son, Ltd., Maidstone, and chairman of Maidstone Chamber of Commerce) has been appointed a justice of the peace for the borough.

Dr. J. Stanley White (director of the department of clinical investigation, European Branch, Parke, Davis & Co.) has returned from a visit to South Africa and Egypt.

Mr. C. E. Goldthorp, foreman in charge of the drug section of the Port of London Authority's Cutler Street warehouses, has been transferred to Western department, London Dock, Mr. Goldthorp has been on the staff at Cutler Street for the past twenty-five years.

Mr. J. E. Goodall, M.P.S., chairman of the retail section of the Proprietary Articles Trade Association's Council, contributes a special message to chemists in the April issue of the Association's "Quarterly Record."

Mr. H. Cook, M.P.S., was presented with a radio set, a cheque for £80, and an illuminated address at Bournemouth recently, on his retirement as general manager of the Southern area of Boots, Ltd. Mr. Cook is to continue as a director of the company.

The Royal Society has elected into foreign membership Messrs. Herbert McLean Evans, Berkeley, California, U.S.A. (for his researches in anatomy, embryology and particularly in experimental endocrinology), and Ralph Walter Graystone Wyckoff, Bethesda, U.S.A. (for outstanding contributions which he has made to the study of viruses).

EXAMINATION RESULTS

The following candidates satisfied the examiners in the Chemist and Druggist Qualifying examination of the Pharmaceutical Society in April:—

England and Wales

Arscott, Anthony W.
Ayling, Ronald G.
Blau, Joseph M.
Bull, Peter L.
Connett, Vera M.
Davies, Kenneth
Duigenan, John P.
Faupel, Veronica M.
Frost, Martin C.
Garbett, Handel L.
George, Huw A.
Good, Mary M. E.
Goodison, Barbara
Goodwin, Kenneth A.
Haddock, David J.
Hemmings, Una
Herbert, Mary C.
Jackson, David S.
James, David H.
Julyan, David
Kimberley, Ronald J.
Landsman, Gerald B.
Lloyd, Maud P.
Osborne, Clarice (Mrs.)
Pike, Peter
Price, John K.
Reeves, Gordon R.
Robinson, Harold W.
Selfe, Reginald W.
Thompson Audrey T.
Tukeman, Cyril S.
Varley, Peter
Whittall, Constance M.
Wilson, Philip M.
Young, Cecil G.

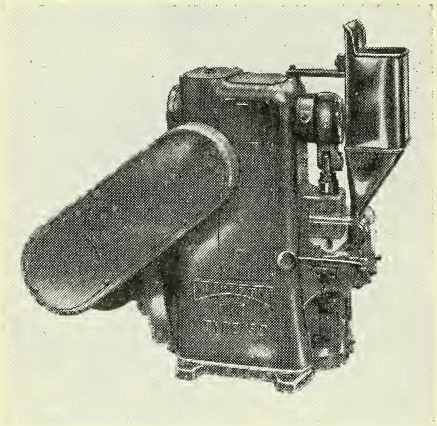
Scotland

Berry, Margaret
Brook, Aileen J.
Connell, James W. McT.
Dean, Alan
Foster, William A.
Green, Edward
Higgins, Arthur A.
Harrison, William W.
Jackson, Evelyn L.
Lamb, Joyce A.
McClellan, John C.
Mackinnon, Gordon C.
Miller, Reuben L.
Morris, Alma
Postles, Donald
Scargill, Kenneth O.
Scott, Ronald McD.
Sutton, Alice.

TRADE NOTES

Change of Name.—Allen & Hanburys, Ltd., Bethnal Green, London, E.2, notify that the name of penicillin chewing-gum, A. & H., has been changed to Chulin.

Bench Tablet Machine.—A light power-operated bench tablet machine (the SPI) is among the exhibits of Manesty Machines, Ltd., Liverpool, 19, at the British



Industries Fair. The machine is claimed to be simple to operate and set and ideal for small batches of tablets.

New Beauty Soap.—Pure Products, Ltd., Colwick, Nottingham, announce on another page the introduction of a beauty soap containing hexachlorophene—a development described as "revolutionary." The new soap, which has been named Derl, is issued in wrapped tablets.

Wrapped Windsor Soaps. — For the first time since the war the nine varieties of Roberts' original Windsor toilet soaps are each to be wrapped in individual coloured wrappers. The manufacturers are Roberts Windsor Soap Co., Ltd., Windsor.

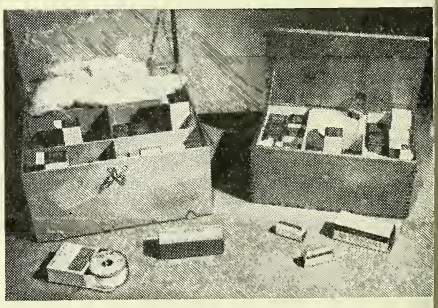
Display Convention and Exhibition.—A national display convention and exhibition has been organised by Display, Design and Presentation, 16 West Central Street, London, W.C.1, on October 15-19. Intending exhibitors who have not made their plans should contact the organisers immediately.

Distributors Appointed. — Stanning Proprietaries, Ltd., 171 Seymour Place, London, W.1, have been appointed distributors of Drenalgin co., a product which, they point out, is not advertised to the general public. Drenalgin co. is available in one size only.

Catalogue of Sun-glasses.—Thurgar Bolle, Ltd., Orient House, Wellingborough, Northants, have released a new loose-leaf catalogue describing the company's range of Thurgar Bolle sun-glasses. Copies of the catalogue are available for chemists on application.

Festival Greetings Cards. — Butler & Crispe, Ltd., 80 Clerkenwell Road, London, E.C.1, are making available an exclusively designed Festival greetings card (8 in. x 6 in.) in colour and containing one of a variety of gifts listed in a circular obtainable from the company.

Included in Stock List.—Two factory first-aid cases made by S. Maw, Son & Sons, Ltd., Barnet, Herts, to the specifications of the Home Office for use in



factories have been accepted for inclusion in the "stock list" of the Festival of Britain (see *C. & D.*, February 24, pp. 244-45, and this issue, pp. 546-47).

Accepted for Festival Display.—The Crookes Laboratories, Ltd., Park Royal, London, N.W.10, have been successful with their new Lacto-calamine poster in a competition to select posters for exhibition at sites in York Road, London, S.E.1, facing the South Bank exhibition.

Festival Razor Set. — Gillette Industries, Ltd., Brentford, Middlesex, are

aunching a large-scale advertising campaign for their Gillette Festival set comprising a three-piece safety razor with two blue Gillette blades in a strong plastic container with transparent top. The sets are sent out in three-colour display cartons.

PRICE CHANGES

ALLIED LABORATORIES, LTD., 140 Park Lane, London, W.1, are increasing on May 1 the prices of Antoin. The increase is the first in the company's pre-packed goods since the war.—EVAN WILLIAMS CO., LTD., Aintree Road, Perivale, Middlesex, have increased the price of Evans Williams' wave set while maintaining the retailer's margin.—KORAY, LTD., Golden Mile Works, Bridgend, Glam, have advanced the price of Melio pills.—RECKITT & COLMAN, LTD., 40 Bedford Square, London, W.C.1, increased on April 21 the prices of Dettol (B, C and D sizes).—A. L. SIMPKIN & CO., LTD., Hunter Road, Sheffield, 6, announce new wholesale and consumer prices for the company's speciality Vita-glucose tablets. — PROMEDICO PRODUCTS, LTD., 22 Turle Road, London, N.4, announce that the retail prices of Promol moth rings have been increased.—Alterations in the prices of a number of specialities of YARDLEY & CO., LTD., 33 Old Bond Street, London, W.1, have prompted the company to issue a duplicated foolscap sheet of current prices of many of their perfumery and cosmetic products.

PROPRIETARY ARTICLES TRADE ASSOCIATION

Alterations to Protected List (Part 1)

(I.R.P.—Inclusive retail price)

Product	Doz.	Tax	I.R.P.
	s. d.	%	s. d.
llen & Hanburys, Ltd.			
ysantol gargle .. 4 fl. oz.	18 0	33⅓	2 9
. Coutts & Sons.			
outts manual	27 0	Nil	3 0
. C. De Witt & Co., Ltd.			
e Witt's antacid tablets, (new size) 60's	18 0	33⅓	2 6
rices in Irish Republic)	21 6	Nil	2 6
ans Medical Supplies, Ltd.			
vans throat pastilles ..	12 0	33⅓	1 9
i Lilly & Co., Ltd.			
amamelis compound ointment, No. 30 .. 1 oz.	22 0	33⅓	3 4½
bar Laboratories, Ltd.			
ybar inhaler No. 1 (including face mask) (addition) each	15 0	Nil	22 6
m. R. Warner & Co., Ltd.			
rolucosil .. .. 25's	32 0	Nil	4 0
(dispensing) .. 250's	260 0	Nil	—
Price to medical profession each	29 3	Nil	—
atrin .. .. 20's	32 0	Nil	4 0
(dispensing) .. 250's	320 0	Nil	—
Price to medical profession each	36 0	Nil	—
yer Products, Ltd.			
yer aspirin, gr. 7½ 20's	13 4	33⅓	2 0
taxan elixir .. 8-oz.	30 0	Nil	3 9
dalgin tablets, carton of 20	16 8	33⅓	2 7
nger Laboratories, Ltd.			
ralgicin	33 0	Nil	3 8
necol (dispensing) 1000's	43 0	Nil	—
sydrol (oral) .. 250's	84 0	Nil	10 6
,, ,, .. 500's	156 0	Nil	19 6
sydrol (parenteral) 5%	150 0	Nil	18 9
,, ,, 2½%	144 0	Nil	18 0
W. Carter & Co., Ltd.			
rter's National rose hip syrup	18 0	Nil	2 0
Minimum carriage paid quantity : 6 doz.			

Product	Doz.	Tax	I.R.P.
	s. d.	%	s. d.
Duncan, Flockhart & Co., Ltd.			
Baumol antiseptic dusting powder .. .. 2-oz.	12 0	33⅓	1 10
8-oz.	32 0	33⅓	4 11
16-oz.	48 0	33⅓	7 4
Fenning's fever mixture,	12 6	33⅓	1 9
2 gross	11 6	—	—
Foster McClellan Co.			
Prices in Northern Ireland—			
Doan's backache kidney pills, medium size, ..	28 6	33⅓	3 9½
50s. orders	27 0	—	—
£5 orders	25 3	—	—
Thos. Guest & Co., Ltd.			
Sure Shield iodised throat lozenges	6 6	33⅓	1 0
	11 6	33⅓	1 9
Hall, Forster & Co., Ltd.			
Forster's Fenolin vaporiser	48 0	Nil	5 5
,, Eldon vaporiser	24 0	Nil	2 10
Natural Chemicals, Ltd.			
Phyllosan tablets (new size)	93 0	33⅓	12 6
John Steedman & Co.			
Steedman's soothing powders (27 powders) ..	28 2	33⅓	4 0
Broken bulk (108 powders)	112 8	33⅓	16 0
Single powders, 2d. each (flat rate) including tax. Minimum orders of 1 doz. 4s. or ½ doz. 16s. size (or assorted) will be invoiced at the rate of 24s. 2d. and 96s. 8d. per dozen respectively plus purchase tax.			
Wright, Layman & Umney, Ltd.			
Liquor Carbonis Detergens	15 6	33⅓	2 2
	30 3	33⅓	4 3
(new size)	46 0	33⅓	6 6
St. Andrew Mills, Ltd.			
Correction			
The retail price of the new size standard Camelia sanitary towels is 1s. 0½d. and not as previously quoted.			

C. & D. RETAIL AND DISPENSING PRICE LIST

BANDAGES (individually wrapped)	1 in. s. d.	1½ in. s. d.	2 in. s. d.	2½ in. s. d.	3 in. s. d.	3½ in. s. d.	4 in. s. d.	6 in s. d
White open wove B.P.C. 3 yd.	3	—	—	—	—	—	—	—
W.O.W., B.P.C. .. .. 4 yd.	—	0 5½	0 7½	0 8½	0 10	—	—	—
W.O.W., B.P.C. .. .. 6 yd.	0 5	0 8	0 9½	1 0	1 2	—	1 7	2
Crepe, B.P.C. (5 yd. stretched)..	—	—	2 7	3 3	3 9	4 4	5 0	—
Domette, B.P.C. .. .. 6 yd.	—	—	—	4 0	4 10	—	6 5	—
Plaster of Paris, B.P.C. .. 4 yd.	—	—	—	—	2 6	—	3 0	4
Elastic adhesive, B.P.C. .. 3 yd.	—	—	4 9	5 10	6 10	—	9 0	—
Flannel, B.P.C. .. .. 4 yd.	—	—	—	4 5	5 4	—	7 1	10
,, ,, (unwrapped) 6 yd.	—	—	5 4	6 8	8 0	—	10 8	—
Plaster, adhesive zinc oxide :—								
1 yd.	0 7	—	0 11½	—	—	—	—	—
3½ yd.	1 4	—	—	—	—	—	—	—
5 yd.	2 0	2 11	3 6	4 5	5 0	—	6 6	—
10 yd.	3 4	5 0	6 3	7 8	8 9	—	11 0	—
		1 oz. 1 yd.	2 oz. 2 yd.	3 oz. 3 yd.	4 oz. 4 yd.	6 oz. 6 yd.	8 oz. 8 yd.	1 lb
WOOL :—								
Absorbent cotton, B.P.C.		0 8½	1 3	1 10	2 4½	—	4 7	9
,, ,, Hospital		—	—	—	2 1	—	4 1	7 1
LINTS :—								
Absorbent, B.P.C.		1 0	1 11	—	3 6	—	6 11	—
Boric, B.P.C. .. .. Size No. 1		No. 2	No. 4	—	No. 8	—	No. 16	—
6½d.		1 0	1 10	—	3 7	—	7 0	—
GAUZE :—								
Absorbent, B.P.C., 36 in wide, ½ yd. 6d.		0 10	—	2 3	—	4 4	—	—

UNTIL some degree of stability has been reached in the price of zinc, retailers may experience difficulty in costing calamine lotions. A sudden rise—to almost double—in the cost of alcohol, as mentioned in the Trade Report for April 7, has already affected the price of ethers, and will undoubtedly be reflected in the numerous galenicals in which alcohol plays a part. The retail prices of surgical dressings have been adjusted according to the increases announced on February 26 and also so as to give a 25 per cent. gross return on the selling prices of lints and cotton wool in sizes above 2 oz. The 30 per cent. return remains for the smaller sizes. This will conform more closely to the policy that a reduced profit margin is obtained as the quantity increases and will be more in keeping with the price allowed under the National Health Service. The popularity of the tulle type of dressing (plain or medicated) in the treatment of burns, etc., has now been recognised by the Ministry by the inclusion of specified packs of that dressing in the Drug Tariff. The price changes in drugs and galenicals (under the heading *C. & D.*, Retail Price List) were given last week (p. 500).

d.	per	CAPSULES	2. s.
1200	1000	Castor oil, min. 30	4
1440	1000	Sandalwood oil min. 5 ..	5
278	100	,, ,, min. 10 ..	9

d.	per	TABLETS	25 s. d.	100 s.
117	1000	Aloin co., B.P.C. S1(5)	0 11	2
240	1000	Aspirin. (2½), phenacetin. (2½) et caffein. (1) ..	1 6	4
177	1000	Aspirin co., B.P.C. ..	1 3	3
165	1000	Calomel gr. 2	1 2	2
61	100	Cinchophen. gr. 5 S1 ℞ only	2 5	7
306	1000	Codein. co.	1 8	4
142	100	Cotarnin. phthalat. gr. ¾ .. S1(6)	5 2	—
120	1000	Ephedrin. Hcl. P1(13)		
		gr. ¼	1 0	2
		gr. ½	1 4	3
		gr. 1	2 0	6
320	500	Mepyramine 0.05 gm. S1 ℞ only	2 6	9
420	500	0.10 gm.	3 6	12
576	1000	Phenobarb. et theobrom. B.P.C. S1 ℞ only	2 8	8
228	500	Sulphanilamid. 0.5 gm. S1 ℞ only	1 6	4

INJECTIONS

Item	Cost ½ doz. d.	Selling ½ doz. s. d.	Cost doz. d.	Selling doz. s. d.
Adrenalin. tart.				
0.5 mil. P1(13)	22	2 9	40	5 0
1 mil.	22	2 9	40	5 0
Apomorph. hd.				
gr. 1/20 S1(5)	34	4 3	64	8 0
Calc. gluconat.				
10% 2 mil.	30	3 9	56	7 0
10% 5 mil.	44	5 6	82	10 3
10% 10 mil.	64	8 0	122	15 3
Heparin 5 mil.,				
1000 i.u./mil.	52	6 6	each	—
5000 i.u./mil.	204	25 6	each	—
Mersalyl				
1 mil. S1(5)	28	3 6	52	6 6
2 mil.	38	4 9	72	9 0

PROPRIETARY ARTICLES TRADE ASSOCIATION

The fifty-fifth annual report of the Proprietary Articles Trade Association states that during the year 1950 manufacturers with articles on the protected list numbered 370. Economic conditions and other factors caused a slight decrease in the numerical strength of the manufacturers' section. The P.A.T.A. list for 1950-51 included many items named in the much smaller list of fifty years ago. Membership of the wholesale section, which increased during the year to sixty-four, was supplemented by some 900 "approved wholesalers" who were recognised as wholesale distributors of P.A.T.A. goods.

Subscription Position Misunderstood

In the retail section subscriptions received during the year represented a membership of 10,080. Since 1946, admission to the section has been restricted to persons, firms and bodies corporate whose premises are registered under the Pharmacy and Poisons Act, 1933. There has been a decrease in membership of the section. When the Chemists' Defence Association was founded in 1899 in accordance with a resolution passed at the annual meeting of the Proprietary Articles Trade Association, a condition of membership of C.D.A. was membership of the retail section of the P.A.T.A. In 1921, when the Retail Pharmacists' Union was formed, a stipulation of the Union was that in England and Wales its members must be members of both the C.D.A. and the P.A.T.A. Since 1937, Rule 20 of the N.P.U. rules has included the words "membership of the P.A.T.A. shall be a condition of membership of the Union, subject to the discretion of the Executive." The Council felt that many chemists who had failed to remit their P.A.T.A. subscription to the N.P.U. had done so through a misunderstanding of the position.

Throughout the year the Council were represented on the Fair Prices Defence Committee by the president (Mr. E. C. Pearce) and the secretary (Mr. H. E. Chapman). Appreciation of the work of Messrs. Pearce and Chapman was recorded in the report.

Production of the protected list and year-book involved the Association in considerable expenditure which was not covered by the revenue received from advertising. The Council regarded the regular production of the P.A.T.A. list as an essential service to the Association's members.

The year brought no noticeable recurrence of price cutting of P.A.T.A. articles. Approximately 2,000 calls on traders' premises, and 1,700 individual test purchases, were made in 1950.

The income and expenditure account showed that income (£13,835) exceeded expenditure by £480. Membership subscriptions totalled £12,192 (manufacturers, £3,566; wholesalers, £3,334; retailers, £5,290). Donations from manufacturers and retailers amounted to £857. Income from the manufacturers' and retail sections was approximately £2,000 higher than in 1949, as a result of increased subscription rates operative from January. The increased revenue enabled the Association to meet additional expenditure for P.A.T.A. defence and in printing and distributing the year-book and "Record."

Annual Meeting

The fifty-fifth annual meeting of the Association was held at the London headquarters on April 12. The president (Mr. F. J. Smith) presided. Moving the adoption of the annual report, he said that the decline in the manufacturers' section might be attributed to the present "sitting on the fence" attitude adopted by some owners of proprietary products. The decline in the membership of the retail section appeared to be mainly due to misunderstanding and to changes made in the subscrip-

tion application form. Membership of the retail section of the P.A.T.A. was restricted to chemists—a policy that had been adopted five years ago to meet views of the National Pharmaceutical Union. The P.A.T.A. needed the support of all sections of the drug trade.

Everything possible was being done by the Fair Prices Defence Committee and by the Council to defend the system of price protection for which the P.A.T.A. stood. The issue of the White Paper setting out the Government's policy on the subject was awaited. He would express the thanks of the Council and of the Association's members to Messrs. F. C. Pearce and H. E. Chapman for their work and to all others who had co-operated with them.

The Association had been able to meet its commitments and to face additional defence expenditure during the past year. He looked forward to the future with confidence. The motion for the adoption of the report was seconded by Mr. J. E. Goodall, and unanimously adopted.

The President moved a vote of thanks to the secretary and staff which was seconded by Mr. L. S. Adams and acknowledged by Mr. Chapman.

Meeting of Council

The quarterly meeting of the council of the P.A.T.A. was also held on April 12. At the commencement of proceedings the immediate past-president (Mr. E. C. Pearce) was in the chair. Messrs. Pearce, N. E. Forster (wholesale section), R. G. Dyas (chairman, manufacturers' section), and J. E. Goodall (chairman, retail section), paid tribute to Mr. F. J. Smith who had been elected president at the January meeting, in his absence (see *C. & D.*, January 20, p. 77). Mr. Pearce then vacated the chair and wished the president a successful year of office.

Thanking the Council for electing him president, Mr. Smith said that he had first served on the P.A.T.A. Council in 1909 and had continued a member ever since. He was president in 1921 when the then Retail Pharmacists' Union was formed and had taken part in the negotiations leading to the final arrangements. He had been elected again in 1927. Apart from the material benefits it had conferred the P.A.T.A. had been of great service in bringing together the different sections of the trade.

The President referred to the deaths of Mr. J. Milner (a former president, and for many years a member of the retail sectio (see *C. & D.*, April 7, p. 432), and of M E. McMillen, for forty years a devot servant of the Association. The Coun stood in silence as a mark of respect.

The President welcomed Mr. Holmes, Torquay (who had been co-opt to fill the vacancy occasioned by the dea of Mr. T. Marns), and Mr. C. T. Kin wood (new representative of Icilma C Ltd.).

The Council considered a report su mitted by Mr. Pearce and the secreta on an interview which representatives the Fair Prices Defence Committee h had with the President of the Board Trade on April 2. It appointed a speci committee to consider the forthcomi White Paper setting out the Governmen policy in relation to price maintenanc Mr. Chapman reported that a gratifyi reception had been accorded to the co mittee's recently published pamphl "Price Maintenance—The Facts," whi had been distributed to all Members Parliament, other interested persons a organisations and to important newspape throughout the country.

Reynolds & Branson, Ltd., were elect to membership of the wholesale sectio One other application for membership w not accepted.

The quarterly report showed that sin the previous meeting of Council 490 cal and 358 test purchases had been made b the Association's officers. In recent montl only a few minor complaints of price cu ting had been reported. There had al been a decrease in complaints alleging a lowance by some wholesalers of unautho ised discounts.

MINISTRY'S NOTE TO CHEMISTS' CONTRACTORS

Chemists are asked by the Ministry Health to endorse all prescriptions fo chloramphenicol (Chloromycetin) dispense during April with the cost price actuall paid, the basis of payment for supplies di pensed on E.C.10 forms from May 1 wi be solely at the current reduced pric Sodium bromide may again be dispensed i place of the potassium salt where suppli of potassium bromide are not available t meet orders on National Health Servic prescriptions. No special endorsement o prescriptions will be required. This a rangement has been agreed as a temporar measure.

FIRST ADDENDUM TO THE B.P., 1948

HE first addendum to the British Pharacopœia, 1948, official from September 1951, has just been published. In its 4 pages of monographs and appendices e Addendum contains forty-four new neral monographs, and eight monographs a new section on blood preparations.

In the field of antibiotics the monoaphs on penicillin and its preparations e revised and the sodium and potassium lts of crystalline penicillin G have been cluded under the name benzylpenicillin. rocaine benzylpenicillin; streptomycin lcium chloride; streptomycin hydroloride and sulphate, dihydro-streptomycin, d injections of the streptomycin salts ve been made official.

Among the antitoxins and vaccines, the wer form of diphtheria prophylactic luminium phosphate precipitated, purid toxoid) has been included, while the tency of tetanus antitoxin is now exessed in the 1950 international unit quivalent to two international units of 928). Whooping cough, cholera, typhoid ratyphoid A and B, and A B and C ccines have been added while acne, sentery, staphylococcus and tubercle ccines have been deleted.

New sulphonamide preparations include lphadimidine and tablets thereof, and lphadimidine sodium. Two new arsenics, oxophenarsine hydrochloride and tarte, are made official, and the antihistaine substances mepyramine maleate, and omethazine hydrochloride, and the bronoo-dilatory sympathomimetic drug isoenaline are included. Among other inciples included are tubocurarine loride (assayed biologically) and opylthiouracil. Newly added hormones clude ethinylœstradiol and tablets there- DDT is given as the synonym of the wly official dicophane.

In the new appendices methods are ven for the first time for the determinan of the A.B.O. and Rh blood groups human blood. The time for which intions of benzypenicillin may be stored s been reduced to four days because imrities which exerted a buffering and eservative action have been removed, rifying the benzylpenicillin. The Karl scher moisture-determination method is scribed. Newly official sterilisation produres are included. Overage in ampoules provided for. The major changes are pulated opposite.

MONOGRAPHS ADDED

Æthinylœstradiol
Benzylpenicillinum
Cetrimidum
Chloramphenicol
Dicophanum
Dihydrostreptomycinum
Dimercaprol
Indicarminum
INJECTIONES:
dihydro-streptomycini nicotinamidi
streptomycini et calcii chloridi
streptomycini hyd.
streptomycini sulphatis
Isoprenalinæ sulphas
Mepyraminæ maleas
Methacholinæ chloridum
Oxophenarsinæ tartras
Pheniodol
Promethazin. hyd.
Procain benzyl penicillin.
Proguanil. hydrochlorid.
Promethazin. hyd.
Propylthiouracilum
Quinalbarbitonum sodium
Sodii citrus acidus
Streptomycini et calcii chloridum
Streptomycini hydrochloridum
Streptomycini sulphas
Sulphadimidina
Sulphadimidina sodium
TABELLÆ
æthinylœstradiolis
pethidin. hyd.
proguanili hyd.
propylthiouracili
sulphadimidinæ
theophyllin. cum æthylenediamin.
Tubocurarinæ chloridum
Vaccinum pertussis
Vaccinum pestis
Vaccinum typhoparatyphosum A et B and A, B et C
Vanillinum
Whole human blood
Concentrated human red blood corpuscles
Human fibrin foam
Human fibrinogen

Dried human plasma
Dried human serum
Liquid human serum
Human thrombin

MONOGRAPHS AMENDED

Alumen
Amphetamina
Amphetaminæ sulphas
Aneurinæ hydrochloridum
Antitoxina
Antitoxin. diphthericum
Antitoxinum œdematiens
Antitoxinum œdematiens compositum
Antitoxinum septicum
Antitoxinum tetanicum
Antitoxinum welchicum
Apomorphinæ hydrochloridum
Atropina
Atropinæ sulphas
Calamina
Codeina
Codeinæ phosphas
Cremor penicillini
Crem. penicillin. steril.
Dienœstrol
Sodii hydroxidum
Suraminum
TABELLÆ
aneurinæ hydrochloridi
dienœstrolis
methylthiouracili
succinylsulphathiazoli
Theophyllina
Theophyllina cum æthylenediamina
Digitalis præparata
Emetinæ hydrochloridum
Ephedrina
Hydrarg. oxid. flav.
Hydrargyri oxycyanidum
INJECTIONES:
aneurin. hydrochlorid.
penicillini
penicillini oleosa
quinin. dihydrochlorid.
sodii chloridi
sodii chlorid. comp.
Methylthiouracilum
Morphin. hydrochlorid.
Morphinæ sulphas
Oculentum penicillini
Oleum menthæ piperitæ
Paraffinum molle album
Paraffinum molle flavum
Paraldehydum
Penicillinum
Physostigminæ salicylas
Pilocarpinæ nitras
Tinctura digitalis
Toxinum diphthericum detoxicatum
Trochisci penicillini
Tuberculini derivativum proteinicum purificatum
Tuberculinum pristinum
Unguentum penicillini
Vaccina bacterialia

AMENDMENTS TO BRANCH RESOLUTIONS

THE Council of the Pharmaceutical Society have agreed to include the following amendments to motions on the agenda of the Branch Representatives' meeting (see *C. & D.*, February 24, p. 239) to be held in London on May 17:—

ABERDEEN:—*Amendment to 2a:* Add "that full minutes of meetings of Council and its Committees shall be published in the 'Pharmaceutical Journal.' Failing this, copies of minutes of Council and its Committees be available to Branch secretaries upon application." (Rotherham.)

EAST METROPOLITAN:—*Amendments:* (1) Substitute "two" for "four" and add "and in addition a Branch secretaries meeting." (Reading.) (2) Add "and that they should be held in four different centres." (Scunthorpe.)

HUDDERSFIELD:—*Amendment:* Add "within two weeks of being submitted." (Reading.)

MANCHESTER AND SALFORD:—*Amendments:* (1) Substitute "periodical" for "quarterly." (Woking.) (2) Delete "quarterly meetings" and substitute "bi-annual meetings." (Worcester.)

NORTH STAFFORDSHIRE AND SLOUGH:—*Amendment:* Delete "medicines" and substitute "medicaments" and add "and the careful administration of all medicines." (Thus to read "for the safe storage of all medicaments and the careful administration of all medicines.") (Reading.)

Amendment to (2): Substitute "one year" for "two years." (Reading.)

SOUTH EAST METROPOLITAN:—*Amendment:* Delete "practising" from the pharmacists to receive an "Index of New Products" on request. (Reading.)

TEES-SIDE:—*Amendment:* Add "should this be found desirable after consultation with the Guild of Public Pharmacists." (Reading.)

WOKING:—*Amendment to* (2): Delete "and immediately afterwards notify the membership of its decisions" and substitute "and that when they have been agreed upon by a substantial majority, such decisions should be implemented with as little delay as possible, or referred back for further discussion at the next Branch Representatives' meeting, at which the Council's considered views on the matter should be stated." (Leeds.)

CONSTITUTION AMENDMENT PROPOSALS

AT a joint meeting of the Sheffield and Rotherham Branches of the Pharmaceutical Society held in Sheffield on March 28 the following modifications to the published proposals for revision of the Society's constitution (see *C. & D.*, January 20, p. 90) were unanimously approved:—

Supplemental Charter

Clause 7. Insert after "advancement of pharmaceutical knowledge or" the words: "have rendered exceptional service to pharmacy."

Clause 19. Add the following: (4) unless it secures a two-thirds majority of the members of the Society in a referendum.

Clause 21. Delete "and confirmed at and by a special general meeting . . . present and voting," and substitute: "and confirmed by a majority of not less than two-thirds of the members of the Society voting in a referendum . . ."

Proposed By-laws

Section VI, 2. Extend date of publication from ten days to forty days before the day appointed for the meeting.

Section VII. Add the following paragraphs:

10. The agenda of all Council meetings shall be published in the pharmaceutical Press not less than ten days before the day appointed for the meeting of Council.

11. All members of the Society shall be empowered to attend all meetings of Council for the purpose of observation only; they shall have no power to speak or vote in the meeting of Council attended.

12. Full reports of all proceedings of all Council meetings shall be published in the pharmaceutical Press.

Section VIII, 2. After the words "would have held office" add: "except when the retiring or deceased member of Council had two or more years to serve before seeking re-election, when the vacancy shall be filled by election by the members of the Society, in accordance with the provisions of the by-laws."

Section X, 5 and 7. Delete. It is not considered advisable to perpetuate the present dual secretaryship. Mr. H. N. Linstead's duties should be more specifically defined, and remunerated according.

Section XII, 1. Replace with the following: "1. The country shall be divided into seven areas of approximately equal numerical strength. Each area shall be empowered to elect three members of Council, one member from each area retiring each year. The seven members of Council who so go out shall be those who have been longest in office without re-election."

3. First sentence, after "of the Council" insert "for their areas."

Section XVI. Add the following paragraph: "(5) All resolutions passed by meetings of Branch Representatives shall be perfect in themselves; and shall be implemented by the Council without delay or alteration."

3. First sentence, substitute "shall" for "may."

Section XXV, 1. After "revoke the said By-law as the case may be," delete "at the expiry . . . The Pharmaceutical Journal," and substitute "provided that the proposed By-law, alteration or revocation, as the case may be, obtains a two-thirds majority of the members of the Society voting in a referendum."

3. Delete and replace with the following: "(1) At the meeting of Council held next after the completion of the referendum concerning the proposal to make, alter, or revoke a By-law, the

cretary shall report the result of the referendum. the referendum shall confirm the said proposal d make, alter, or revoke the said By-law, as the se may be, but not otherwise, the secretary shall rthwith submit the By-law so made, altered, or revoked as the case may be, to the Privy Council for confirmation and approval."

Voting paper for election of members of Council to be redrafted in accordance with the new paragraph 1 of Section 12.

WAGING WAR ON TUBERCULOSIS

t a meeting of the Dartford Branch the Pharmaceutical Society, held on larch 29, an address entitled "Tubercusis and its Treatment" was given by r. H. C. Calvey (physician to the Chest linic, West Hill Hospital, Dartford). He id that bones obtained from Egyptian mbs dating back to 4,000 B.C. showed iberculosis of the spine, and in Greek litrature of the fifth century B.C. Hippocrates gave a vivid description of the sympoms of the disease. Pepys described the iberculous skin disease known as lupus the "King's evil," as it was thought at the King's touch would heal it. Poor cial conditions were often an important ctor in the spread of the disease, which as chiefly caused by the sputum of incted persons. The most suitable skin st for a child, he said, was a tuberculin lly which was applied to the skin, covered ith plaster and left for thirty-six hours. red patch showed a positive reaction dicating resistance.

Pulmonary tuberculosis, the principal oblem, was a disease of adult life, the ost dangerous ages being fifteen to thirty ears in the female, and forty-five to fiftyve years in the male. The stress and strain of odern life, which lowered the resistance, d much to do with the spread of the sease. Early symptoms were a persistant ckling dry cough, laryngitis, hæmopsis, due to hæmorrhage from the lungs. ain in the chest was usual, with shortness breath, loss of weight, tiredness and llor. Severe complications such as sponneous collapse of the lung causing short in, shortness of breath and cyanosis, eded rapid attention.

The use of B.C.G. vaccine for conferng immunity was becoming increasingly pular. Remarkable effects in the control the disease had been produced by the e of para-aminosalicylic acid and its dium and calcium salts in doses of 12 20 gm. daily. Unfortunately the drug as extremely unpleasant and sometimes used violent vomiting. The addition of dium bicarbonate and syrup of ginger lped to make it more palatable; paraminosalicylic acid treatment was more luable in conjunction with dihydroreptomycin, given in the form of two injections daily (1 to 5 gm.) for four weeks. Other forms of treatment included generalised rest in bed or local rest by collapse of the lungs (artificial pneumo-thorax) produced by introducing air through the chest wall. Air introduced into the abdominal cavity produced that effect also by pressure on the diaphragm. This treatment was more gentle, and was preceded by crushing the phrenic nerve. Following thoracoplasty a cavity might be forcibly closed, and permanent collapse of a lung secured by the insertion of sterile plastic balls. Lobectomy and pneumo-ectomy were now much safer when preceded and followed by daily administration of dihydro-streptomycin.

FINAL REPORT ON RESOLUTIONS

The following is the final report of the council on resolutions passed at the Branch Representatives' meeting in May 1950. It supplements the interim report (see *C. & D.*, February 3, p. 150).

"That Branch Representatives' meetings at the British Pharmaceutical Conference should be devoted to the discussion of the policies and current affairs of pharmacy."

The Council have reviewed the arrangement of holding two Branch Representatives' meetings annually and decided for the time being that no change should be made in the arrangement. The Council will keep in mind this resolution in selecting the subjects for discussion at the meeting held during the Conference. The existing arrangements for Branch Representatives' meetings will be considered further in connection with the revision which is now proceeding of the Constitution of the British Pharmaceutical Conference.

The Council have submitted an amendment to the Statement on Matters of Professional Conduct to deal with a point raised (see *C. & D.*, April 14, p. 470).

The Council have issued a statement of their views on regional representation (see *C. & D.*, February 24, p. 238).

The Council propose to issue an interim progress report in November and a final report in April whilst the existing arrangement for holding Branch Representatives' meetings continues.

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VOL. CLV APRIL 28, 1951 No. 3714

The Merchants' Voice

NOT for the first time protests were made by chemical merchants at their annual luncheon held in London last week (p. 558), against continued restrictions on their activities and against Government participation in trade. The speakers contended that the independent trader ensured to the consumer a free and selective market from which he could draw a choice of supplies of his raw materials at competitive prices, whereas under group movements, monopolies and, worst of all, under Government active participation in trade, the user had no option but to take whatever might be available to him at prices which frequently increased his costs of production. It was further contended that at least some of the present acute shortages of essential raw materials which were already having a grave effect on Britain's rearmament programme and on future export business would not have arisen had the merchant been allowed a free hand. Whether the Government departments concerned "missed the market" in the world scramble for supplies of certain materials by holding off themselves and declining, chiefly for reasons of currency tightness, to allow traders to bring in supplies is perhaps beside the point. It is proper that where, in consequence of abnormal world demands, a material vital to national safety has become scarce, freedom to buy, sell and use that commodity should for the time being pass under official control. Where no such conditions arise, however, consuming interests and those of the nation are best served by the operation of a free and competitive market, so far as currency exchanges permit. Holding the opinion that the merchant is simply a middleman whose activities only add to ultimate costs, some Government departments appear to seek to "plan" him out of existence. Such an outcome could have untold effects on the nation's economy. There is today an urgent call to step up production. The call is likely to be answered only under free enterprise and competitive conditions, success in which demands the courage, efficient service and hard work upon which success turns.

The proposal in this year's Budget further to increase taxation of business profits was dealt with by Dr. Charles Hill, M.P., who, in a vigorous speech, referred to the subject as "the wicked profit motive." It was, he said, about time the commercial world took their stand and made it clear that the aim of everyone in business, whether employer or employee, was that of personal gain. To improve conditions for himself and his family is, it will be generally agreed, man's natural instinct and it is good that it is so. The profit motive, whether in dividends or wages, is the urge to efficiency. While the proposed heavier taxation of business profits may be justified on the grounds of unusual national requirements it cannot be denied that this further burden on industry is not likely to act as a stimulant to enterprise and expansion.

Overseas Trade in March

UNITED Kingdom exports of all classes of merchandise in March were valued at £190.5 millions, against an average of £194.9 millions in the previous two months. Allowing for the Easter holidays by adjusting to a standard month of twenty-six working days, the rate was about equal to the January-February average. Exports for the first quarter amounted to £580.3 millions—7 per cent. above the average for 1950, but 4 per cent. below the total for the fourth quarter last year. Imports increased in value in March to £303.4 millions, £5.4 millions above the very high January figure. Total imports

for the quarter amounted to £848.2 millions, an increase of 30 per cent. over last year's quarterly average. Re-exports in the quarter were valued at £33.4 millions, bringing the excess of imports (valued c.i.f.) over exports and re-exports (valued f.o.b.) to £234.5 millions, against a quarterly average of £87.0 millions in 1950.

Exports of chemicals, drugs, dyes and colours in March totalled £9,859,374, against £9,677,493 in the previous month and £10,415,993 in January. The United States was the principal market, taking chemicals to a value of £993,626 in March, and over £2.5 millions in the three months. Exports of manufactured drugs, medicines and medicinal products, with a total of £2,134,874, were lower than the high figures recorded for January and February (the quarterly total was £7,173,379). The current shortage of raw materials is now being reflected in reduced March exports of some products (e.g., aspirin: £37,367—a lower total than in the previous two months, though the quarterly total at £156,006 was higher than the £134,453 of the corresponding three months of 1950. Penicillin salts exported in March were valued at £356,703 (in the quarter, £976,107, against £649,344); and penicillin preparations at £116,194 (first quarter £546,123, against £71,312). Ointments and liniments of various kinds exported amounted to £87,172 in March and £244,741 for the three months, against £183,975 in the first quarter of 1950. Exports of quinine and its salts were valued at £40,923 in March, £145,760 (£85,145) for the quarter. March insulin exports were £33,576 (quarter, £131,582). Principal markets last month for British medicines were Australia, India and Hong Kong.

Perfumery and toilet preparations, excluding perfume spirits, essential oils and soap, declined in value of exports to £385,209. The quarterly total, however, showed a considerable increase on the corresponding period in 1950 (£1,223,749 against £942,476). Tooth-pastes, etc., exported in March totalled £102,322, and cosmetics £113,417. Exports of perfumed spirits were valued at £55,002 (first quarter, £161,333 against £104,523). Essential oils shipped in March reached a value of £89,064 (quarterly total £216,432, against £182,370). Toilet soap exports in the month amounted to £238,367 (quarterly total £661,275, against £434,390).

A New Venture in Sulphuric Acid Production

Any steps taken to minimise this country's dependence on outside sources for its supplies of sulphur must command special attention at the present time. A company, United Sulphuric Acid Corporation, registered in London on April 16 (see p. 526) has the purpose of building and operating a large plant to manufacture sulphuric acid from anhydrite. The project is financed by Imperial Chemical Industries, Ltd., in association with the principal users of sulphuric acid in this country, including Courtaulds' Ltd., Fisons, Ltd., Clayton Aniline Co., Ltd., and British Enka. The proposed output of the new plant is 150,000 tons of sulphuric acid, against a capacity of 250,000 tons at I.C.I.'s present plant at Billingham, which also operates on anhydrite. Of the total British production (1,800,000 tons) of sulphuric acid in 1950 only about 6 per cent. was made from that source. The partners in the new venture are expected to subscribe for shares in the ratio of their purchase of sulphuric acid from the new company. The initial nominal capital of £100 bears little relation, of course, to the cost of capital equipment and working capital (estimated at a minimum of £3½ millions), a substantial part of which will be raised in loan capital. It is understood that application is being made to the Capital Issues Committee in the near future for permission to raise the necessary share and loan capital.

The Festival and the Fair

The year 1951, and especially the coming month, provide an unsurpassed and perhaps never to be repeated opportunity for creating a world-wide demand for British products and lifting British export figures to new peaks, limited only by the scarcity of raw materials. In addition to the yearly influx of overseas buyers at the British Industries Fair, which since 1916 has been

Britain's show window, new classes of tourists, brought here by publicity for the Festival of Britain, which opens on May 5, may be taking note for the first time of British skills in manufacture and design, displayed in a setting that depicts with imagination and artistry the way of life of the people of these islands. As the turnstiles click at Festival and Fair, all will devoutly hope that the potential demands created will linger on into happier times when raw materials are in ample supply.

CORRESPONDENCE

Letters may be sent for publication under an assumed name, but the correspondent must furnish his real name and address to the Editor

Handwriting on Prescriptions

SIR,—Could any of your readers put forward some suggestion which would assist in getting doctors to write more plainly? In the time of a rota or epidemic it is a terrible strain on the chemist to have to decipher half-a-dozen badly written scripts and perhaps not get them right in the end. I also suggest that all Dangerous Drugs should be on a special form or coloured red. Perhaps to insist on them being written in red ink would meet the case. The average one-man chemist is getting a heavy burden to carry, and any suggestions to ease it will be thankfully received by a weary chemist.

OVERDOSE

Pharmacy Ignored

SIR,—As your correspondent Perplexed has pointed out (*C. & D.*, April 14, p. 477), pharmacists were ignored by the producers of a recent radio discussion on the National Health Service, but they did not pass unmentioned. Complete silence would, perhaps, have been better for them. As if to add insult to injury, the speaker selected to represent the "man in the street" was allowed to say "I want to stop chemists from overcharging." Chemists have one of the "determined medical men" to thank that some sort of rejoinder was given ten minutes later, but it was not the effective answer that would have been given if a pharmacist had been included in the debating team. Some malign influence seems to prevent certain legitimate viewpoints from gaining a hearing on the radio. How many times recently have I heard resale price-maintenance condemned in broadcasts without anyone present to rebut the arguments or even to suggest that there is an opposite opinion! The propaganda effect is cumulative and damaging to chemists and I join with Perplexed in urging the officials of our trade organisations to make their influence felt to arrest the erosion of chemists' reputations and interests.

CALAMUS.

How Many Signatures?

SIR,—At their meeting on April 3 the Council of the Pharmaceutical Society (*C. & D.*, April 14, p. 470) approved a suggestion from a Branch "that the number of members necessary to convene a special general meeting be left at thirty." It is highly satisfactory to note that the Council of the Society has abandoned the erroneous principle of basing its quorum figure on the total membership of the Society. That the two are unrelated will be seen by reference to the constitutions of other similar bodies. Thus the Society of Chemical Industry requires "not less than thirty signatures," the Chemical Society "not less than forty," the Royal Society of Arts "not less than twelve," and the London Chamber of Commerce "not less than fifty." Among trade unions, the average number of signatures required by leading national organisations with substantial memberships is understood to be "about forty." The true criterion is the size of the local unit. Branches of the Pharmaceutical Society have, of course, increased since the original Charter, but few of them in the ratio of 100:30. To have required a minimum of 100 signatures would have effectively muzzled the smaller branches—and indeed have made it unlikely that a special general meeting would ever have been called. We may be thankful that more reasonable counsels have prevailed.

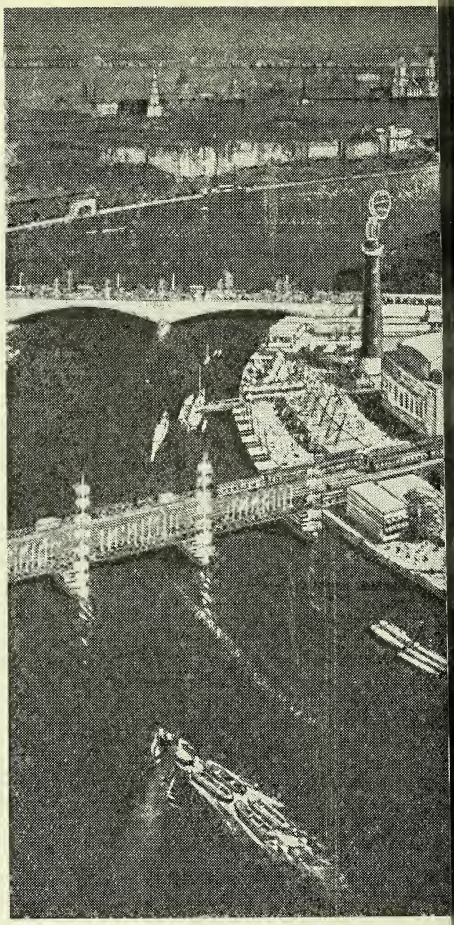
D. MINIM (MISS).

FIFTY YEARS AGO

A Combination in Glycerin

(*From the C. & D., April* 27, 1901)

PERHAPS the chief event of the week is a combination among the principal refiners of English glycerin, which is also said to include a few of the German firms. The opinion regarding this combination is not at all unanimous, but if it succeeds in reducing the keen competition . . . it will serve a useful object.



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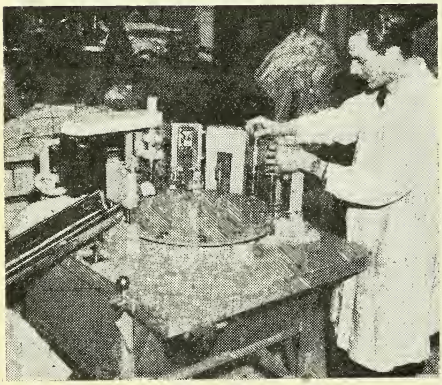

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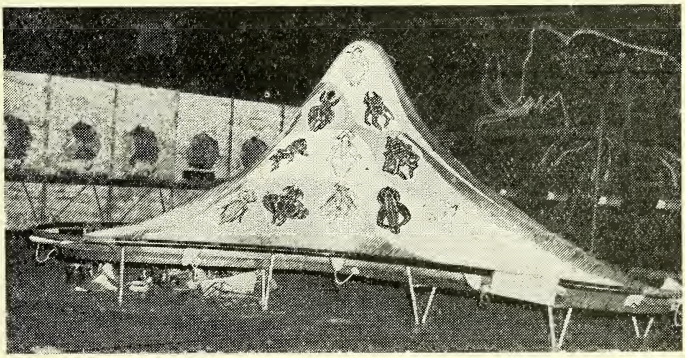
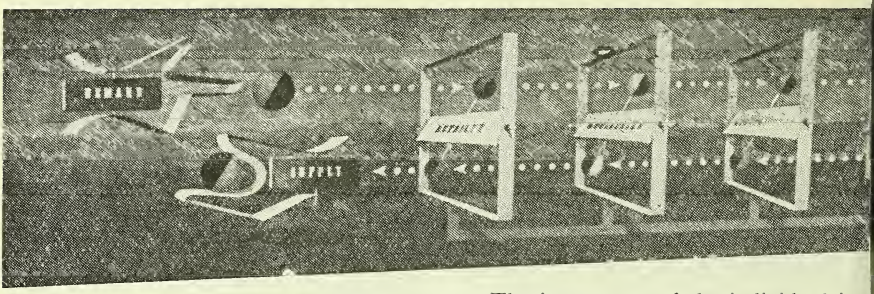
fossilisation.





THE Festival of Britain 1951 is intended to be a nation-wide endeavour to display the British contribution to civilisation past, present and future in the arts, sciences, technology and industrial design. The Festival will be formally declared open throughout the United Kingdom in a broadcast by the King from the steps of St. Paul's Cathedral, London, on the morning of May 3.

In the programme of officially organised events four projects in particular are designed in whole or part for the display of British achievements in science and technology. They are the South Bank exhibition, London; the travelling exhibitions; the exhibition of science, South Kensington; and the exhibition of industrial power, Glasgow.

South Bank Exhibition

Because many aspects of the national life and achievement do not lend themselves to exhibition-type displays, the South Bank exhibition—the centrepiece of the Festival—concerns itself mainly with contributions of science, design, etc., that can be illustrated by displays of tangible objects of a kind in which Britain's prestige stands highest.

The general scope and layout of the exhibition have previously been outlined in the *C. & D.*, (1950.II.290) and have been widely publicised in the national Press. The following notes provide additional information on the displays relating to science and technology, design, etc.

In the immense Dome of Discovery, British pre-eminence in discovery and exploration is told by arranging alongside the achievements of such men as Cook and Livingstone the discoveries of British scientists of the calibre of Newton, Darwin, Faraday, Thomson and Rutherford. One section illustrates the latest knowledge of the structure and nature of matter culminating in a display of nuclear energy.

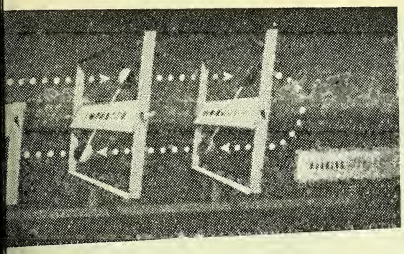
The importance of the individual in community is emphasised in the Hea Pavilion, where are shown outstand British contributions to medicine, surg and public health—from Harvey's stud of the circulation of the blood 300 ye ago to research on the nervous system.

Hypodermic Needles Direct from Mach

In the Power and Production Pavil is told the story of British manufact and industry from raw materials to finis products. The main hall of the Pavil contains a selection of modern machin that reflects the continuing inventiven of British engineers. Among machines t will be working at the exhibition is made by S. & R. J. Everett & Co., L which assembles hypodermic needles at rate of thirty gross a day. The mach assembles the mount to the needle, stan the size on the mount, and at the sa time reams the needle, finally cleaning by means of air blast. On the balcony the Pavilion the visitor will see how q lity of manufacture is maintained by r tine testing first of raw materials, then components, and finally of finished p ducts.

A display entitled "Design Review" ganised by the Council of Industr Design illustrates British manufactu products selected by the Council for th design (examples pp. 546-47). The disp comprises photographs and samples (of items) in addition to printed informat on the various products. Other examp were published in THE CHEMIST A DRUGGIST, February 24, pp. 244-45.

An electric shutter-testing machine among the equipment chosen to dem strate methods of test. The machine designed in the Kodak Research Labo tory, Harrow, where machines of simi type are used in actual production. T machine is seen in action, testing the sh ter of a Duaflex camera. Under the t



ace appears on a screen giving an exact ord of the characteristics of the shutter. ere the shutter is fitted for synchro- d flash, a second trace appears simul- eously to indicate the degree of syn- onism of shutter opening and flash.

he only permanent building at this ex- tion is the Festival Hall at which a es of concerts will be given throughout Festival. Further particulars may be ained from the Box Office, Royal Festi-

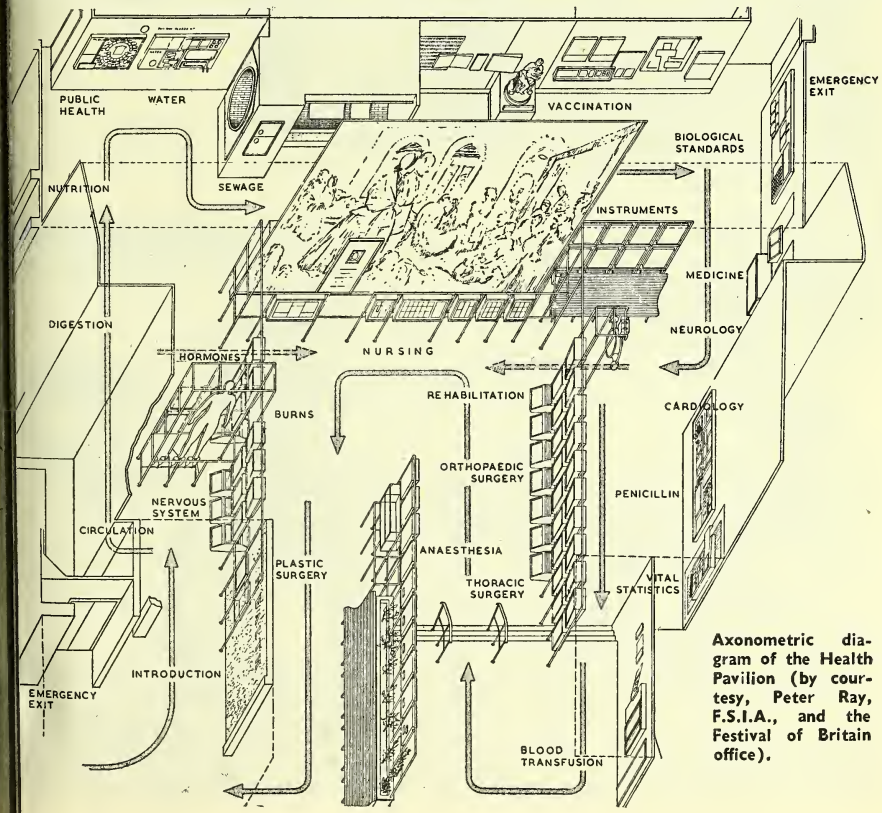
Diagram to illustrate the channels of distribution. A dotted line runs from "demand" through raw materials, importer, warehouse, broker, manufacturer, wholesaler, retailer to "supply." On a side-arm are banking and insurance.

val Hall, South Bank Site, London, S.E.1.

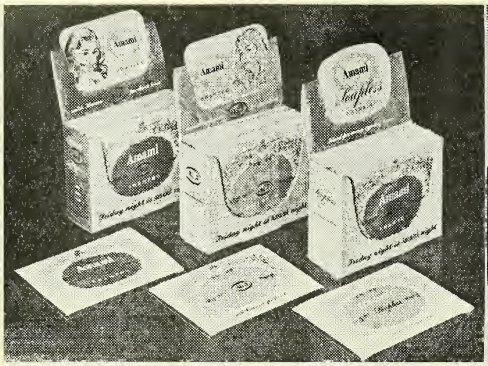
Entrance ticket to the South Bank exhibition can be obtained in advance, price 5s., and this guarantees admission on the day. The need to keep the attendance within limits has led to the installation of crowd-counting apparatus, which simultaneously counts the number of people entering through the ninety turnstiles and deducts the number of those leaving.

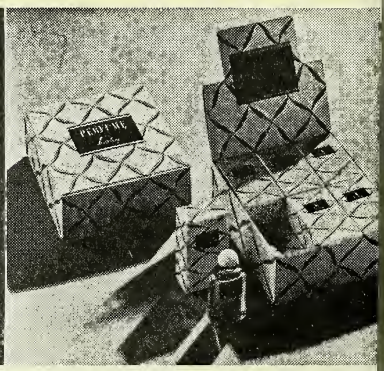
Exhibition of Science

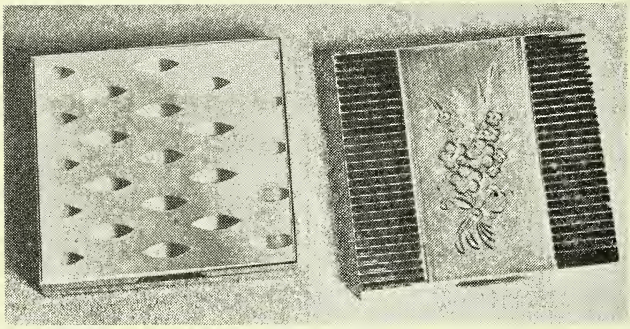
The Exhibition of Science, South Kensington, is situated on the ground floor and basement of what, after the Festival, will be the new west wing of the Science Museum. The main emphasis is on the spirit of scientific discovery, and there are



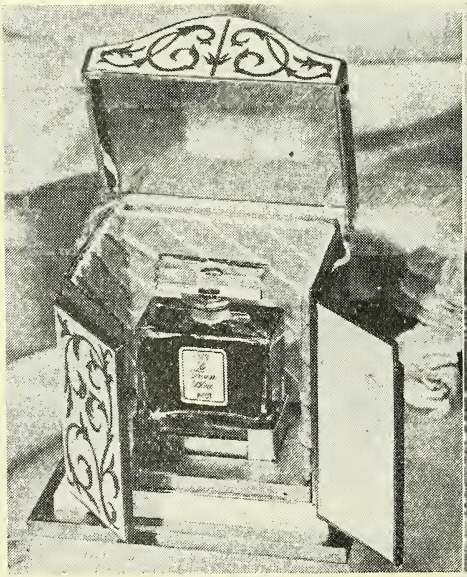
Axonometric diagram of the Health Pavilion (by courtesy, Peter Ray, F.S.I.A., and the Festival of Britain office).



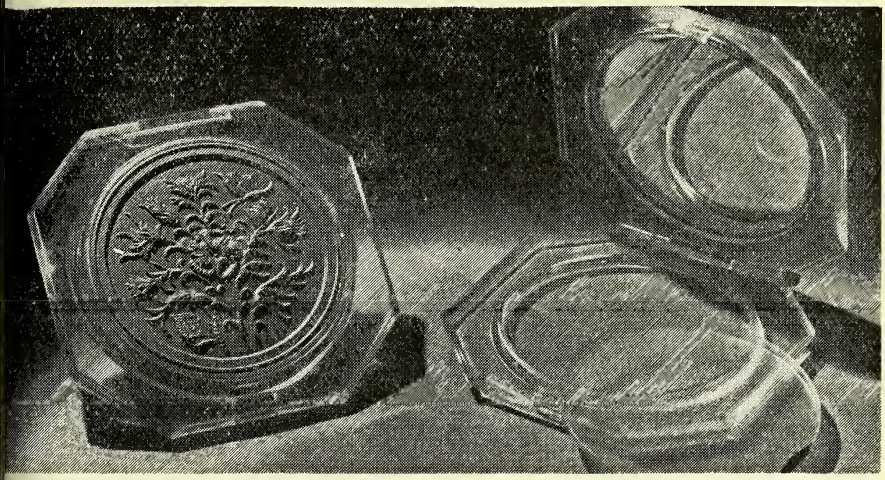




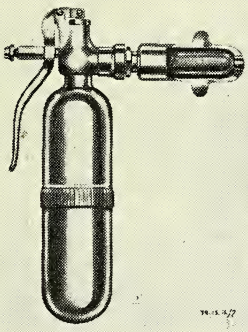
TOP ROW: Amami sha pack and counter displa **Design Research Unit and tons and labels for Burley** fumes by J. Edward S (" Simple two-colour d with label centred and ted in reverse "). MI ROW: Silver compacts signed by Varney & Bat Padgett & Braham, BOTTOM ROW: Crystal glass hand-polished designed by A. E. Callar **Picot perfume (export and bottle and carton Cheviot after-shave.**

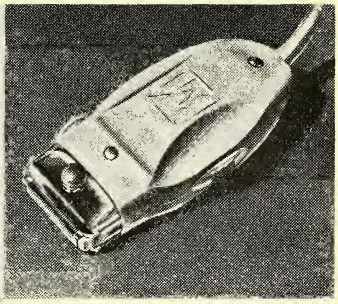


ESTIVAL OF BRITAIN DESIGN SELECTIONS

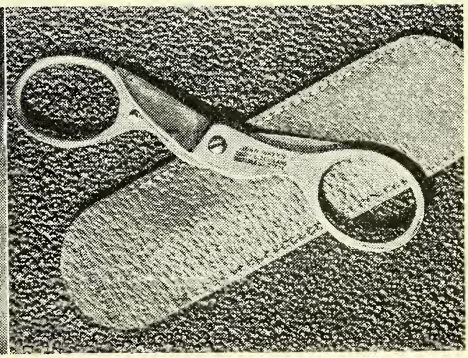


OP OF PAGE: Injection-oulded powder compacts esigned by E. J. Doudney nd manufactured by Scintil-x, Ltd., for Halex, Ltd. IDDLE ROW: Aerosol pro-ctor designed and produced y Sparklets, Ltd., for in-cticides and germicides, and uk electric dry shaver de-gned by George Hinds for hilton Aircraft Co., Ltd., e manufacturers. BOTTOM OW: Tooth-paste carton nd tube designed by Charles Crysler and Mrs. Webb, nd folding pocket nail scis-rs designed and manufac-red by John Watts (Shef-eld and London), Ltd.





FURTHER ITEMS FROM THE STOCK LIST



illustrations of modern applications of science to industry and medicine. New working models show the apparatus used by Thomson, Rutherford and others in exploring the atom. Another section shows the latest results of current research work. The application of products from the atomic pile to medicine; fabrication in the chemist's laboratory of entirely new dyes, drugs and plastics; changing by *x*-rays of qualities inherited by men, and many other topical scientific results are demonstrated by displays. Admission to the Exhibition is 4s. on the opening day and on Tuesdays and 2s. on all other days (no advance bookings).

An Avenue of Shops

Situated in Battersea Park, the Festival Pleasure Gardens provide entertainment for visitors and are linked with the South Bank by a regular water-bus service. In the Park there is an avenue of shops, one of which has been taken over by Bourjois, Ltd., for the sale of perfumes.

Other Centres

There are two travelling exhibitions, visiting fourteen provincial centres. Both draw on the subject matter of the South Bank exhibition, yet each is distinct and individual. The first is mounted in the ship "Campania." The second, the exhibition by land, is transported in lorries from town to town. It lays emphasis on the industrial side of British achievement.

The Exhibition of Industrial Power, Kelvin Hall, Glasgow, is concerned with heavy industry.

In Northern Ireland a new model factory at Castlereagh shows the growth of Irish industry. The development of indigenous trades is related mainly by pictures and models.

Cardiff has a comprehensive Festival programme to portray the contribution of Wales to British progress. The Welsh Industries Fair, at Sophia Gardens Pavilion, demonstrates all aspects of the Welsh industrial life and achievement.

Independent Exhibitions

There are also a large number of exhibitions staged independently by scientific bodies and commercial companies during the period of the Festival. Particulars of some of them have already appeared in THE CHEMIST AND DRUGGIST. Others are described on the opposite page. The following is a summary of some of t scientific activities organised by learn societies:—

PHARMACEUTICAL SOCIETY OF GRE BRITAIN.—A display of drug jars and oth items of historical interest at the Societ headquarters, 17 Bloomsbury Square, Lo don, W.C.2.

BRITISH STANDARDS INSTITUTION. — celebrate the golden jubilee of the Ins tution, which coincides with the Festiv an industrial exhibition is being arrang to show the progress the Institution h achieved in securing standardisation many fields of British industry. The ex bition is being staged at the Scien Museum, South Kensington, June 18- inclusive.

ROYAL PHOTOGRAPHIC SOCIETY.—An e hibition depicting "Photography in t Life of the Nation" is being organised the Royal Photographic Society, 16 Princ Gate, London, S.W.7, during the peri May 15 to July 14.

BRITISH ASSOCIATION. — The Briti Association for the Advancement of Scien is holding its 113th annual meeting Edinburgh, August 8-15. The president address is being given by the Duke of Edi years." The chemistry section is being a dressed by its president (Sir Cyril Hinsh wood) on "Chemistry at the Mid-century The programme also includes discussio on "The Changing Face of Chemic Industry," "Hormones of the Pituitary and "Organic Chemistry in the Service Mankind."

ROYAL INSTITUTION. — The histo building at 21 Albemarle Street, Lond W.1, where Faraday carried out his epoc making researches, is to be open to inspe tion by visiting scientists.

NATIONAL PHYSICAL LABORATORY. "Open days," at which visitors will welcome by invitation obtainable from t director, are being held on May 24 (f staffs of universities) and May 28-29 (f industrial representatives from Great B tain and overseas). Parties of visitors to t official 1951 Exhibition wishing to vi the Laboratory at other times shou apply to the Director at Teddington.

Inquiries about particular events shou be addressed direct to the secretary of t organisation concerned. General inquiri about the Festival should be sent to t Festival of Britain Information Centr Swan & Edgar Building, Piccadilly Circu London, W.1 (telephone: Regent 0531).

"HISTORY OF PHARMACY" EXHIBITION

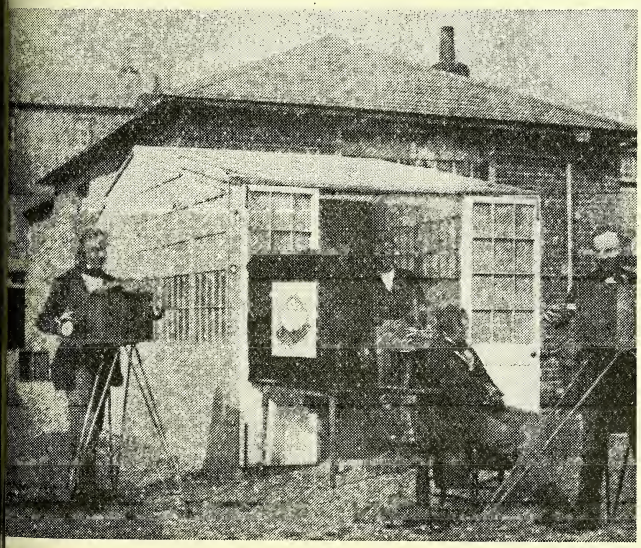
AS a contribution to the Festival of Britain, the Wellcome Foundation, Ltd., have arranged an exhibition the Wellcome Research Institution, 183 iston Road, London, N.W.1, from May to September 28 to illustrate "The His- ry of Pharmacy." The exhibition, which ll be open to the public daily (except turdays and Sundays) from 10 a.m. to p.m., covers the whole field of the his- ry of pharmacy from the earliest times the birth of chemotherapy, and includes any rare books, prints and appliances. In the Wellcome library at the same dress is being staged an exhibition en- tled "The Illustration of Medical Books." xhibits range from the coloured minia- tures in early medical manuscripts to photographic reproductions in books of the nineteenth century.

At the Wellcome Historical Medical Museum, 28 Portman Square, W.1, special exhibitions open to the public (from 10 a.m to 5 p.m., except Sundays) during the Festival period include "Medicine in 1850" (closes end of May); "Prehistoric Man in Health and Sickness" (closes end of June); "British Medicine and the Continent, 1600-1800" (from early June on- wards); "The Medicine of Aboriginal Peoples in the British Commonwealth" (from early July onwards).

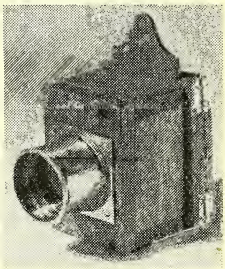
Dates of opening of the new exhibitions will be announced later by the organisers.

EXHIBITION TO COMMEMORATE FOX TALBOT

AN exhibition designed to show why William Fox Talbot may be justly described as the "Father of Modern hotography" has been arranged by odak, Ltd., at Kodak House, Kingsway, ondon, W.C.2. The exhibition was for- nally opened on April 23 by Miss M. T. albot, M.B.E. (a grand-daughter of Fox albot); it remains open daily (except aturdays) throughout the period of the estival of Britain. On display are photo- raphic equipment, original prints, note- books and letters used by Fox Talbot in his experiments over a hundred years ago. Many of the exhibits have been brought from the Fox Talbot home at Lacock Abbey, Wilts, and have not previously been available for inspection by the public.



Reconstruction of Fox Talbot's "glass house" portrait studio at Reading, in which professional portraits were made.



Replica of Fox Talbot's "mousetrap" camera, from which the modern box camera is directly descended.

An illustrated brochure describes the exhibits; it traces the work of Fox Talbot and shows how closely it is linked with photography as practised today.

Messrs. Kodak have also established at the same address for the use of visitors a photographic information centre.

INTRODUCTION TO THE

A RECORD attendance of home and overseas buyers is expected at the British Industries Fair—the biggest national trade fair in the world — which will be held at Earls Court and Olympia, London and Castle Bromwich, Birmingham, from April 30 to May 11. The Fair is open to trade buyers from 9.30 a.m. to 6 p.m. daily (to 4 p.m. on May 6). Admission is by badge obtainable at the entrance, price 2s. 6d., on presentation of a business card (overseas buyers admitted free on presentation of business card). The Fair is open to the general public in London on May 5 and May 9 only, and after 2 p.m. daily at Birmingham. A shuttle service of motor coaches links Earls Court and Olympia, and a special service of express trains runs daily between London and Birmingham. Buyers with limited time at their disposal will be able to visit all three centres of the Fair in one day by using the special air service which will operate between London and Castle Bromwich four times daily.

Clubs are provided at each centre for the exclusive use of overseas buyers, who are invited to use them as temporary headquarters. At each club there are a reception officer and interpreters. Inquiry bureaux are established at the main railway stations in London and Birmingham and at each section. The King, Queen and Queen Mary are expected to visit the Earls Court section on May 1, and Princess Margaret the Castle Bromwich section on May 2.

The section devoted to chemicals and chemists' sundries is situated on the ground floor of the Grand Hall, Olympia. Visitors to the Fair will be welcomed at Stand E1, Olympia, where members of the staff of THE CHEMIST AND DRUGGIST and its associate papers will be in attendance.

RAPID GUIDE TO THE CHEMICAL, SCIENTIFIC INSTRUMENT AND COSMETIC EXHIBITS

The information given in the succeeding columns is based on advance details received from manufacturers, and the stand numbers refer to Olympia unless otherwise stated.

Owing to lack of space only brief details of exhibits on stands are given.

Anglo-Dutch Pharmaceutical Co., Ltd (E.22). — Perfumes and perfumery essences.

Association of British Chemical Manufacturers. (B.46).—The Association will offer assistance to buyers in tracing the makers of any British chemicals they require.

C. Baker of Holborn, Ltd. (D.21).—Instruments of interest to the research chemist including Greenough microscope.

Bennett & Jennison, Ltd. (L.65).—Leather photograph frames, photograph screens, and cases.

S. Brannan & Sons, Ltd. (D.40).—A range of thermometers including types for clinical, domestic, horticulture, laboratory and industrial uses.

British Overseas Airways Corporation. (Earls Court, W.14 and 16, Olympia A.19).—Air freight information.

The British Rototherm Co., Ltd. (D.46).—A comprehensive range of dial-type thermometers for both industrial and domestic use, also mercury-in-steel temperature controllers and recorders.

Brotherton & Co., Ltd. (B.36).—Chemicals and dyestuffs.

W. J. Bush & Co., Ltd. (B.6/15).—Essential oils, chemical and perfumery products, essences and flavours, and a number of new perfumery compounds, deodorants and similar products.

The Cannon Rubber Manufacturers, Ltd. (E.23).—Ripple and Dolphin hot

ater bottles and their new Cannon self-aling hot water bottle. Modern teats and others.

Chilton Electric Products, Ltd. (Birmingham C.606).—Buk and Kub electric ry shavers.

Cosmetique Vigdor (Londres), Ltd. (E.21).—Large stoneware flagons of Colgne and lavender water.

Clive Courtenay & Co., Ltd. (D.14).—Electronic photoflash equipment including models for the amateur.

P. B. Cow & Co., Ltd. (E.27).—A omprehensive range of Li-Lo water ottles, including the new nursery Airflow ee illustration), as well as baby pants in uperfine rubber and plastic, douches, bed nd cot sheetings, etc.

Cresswell Bros. Sponges. (E.39).—Original cases of sponges for toilet and ath use, together with a new range of ponges packed in gift boxes.

Cuxson Gerrard & Co., Ltd. (Birmingham, B.516).—Adaptoplast and other lressings.

Dalmas, Ltd. (E.35a).—Adhesive plasers, adrenaline cream, Hurolets tablets.

Delavelle (G.B.), Ltd. (E.33).—Blue Orchid perfume in a Festival of Britain ouvenir pack and also the Harbour Lights Blue Orchid perfume pack.

The Distillers Co. (Biochemicals), Ltd. (B.5/16).—Distaquaine G, Distaquaine fortified, Distaquaine suspension, nd buffered crystalline penicillin G, potasium salt. Other subsidiary companies of D.C.L. contribute to the stand.

Doulton & Co., Ltd. (Birmingham, E.411/310).—Porous ceramic filtering nedia. Units displayed include a stainess steel pressure filter for laboratory or ilot-plant work.

Dunlop Rubber Co., Ltd. (E.24).—Hot-water bottles, surgical rubber gloves, irbeds, air cushions, jaconets, etc.

Fryer & Co. (Nelson), Ltd. (V.13).—Medicated pastilles.

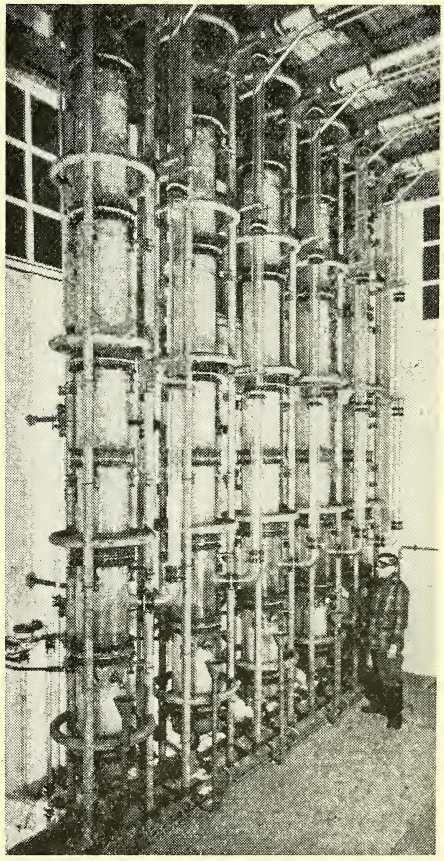
The Gardner Co. (London), Ltd. (E.36)—Throat and nasal sprays, disinectant sprays and perfume sprays specially esigned for the Festival of Britain (see llustration).

W. & J. George & Becker, Ltd. (D.33).—Demonstration of the industrial application of Kemiframe, a series of steel rods which can be connected at right angles, and a series of wall and floor clamps and other standardised fittings from which can be built up a solid frame for permanent or semi-permanent set-ups (see illustration, p. 554).

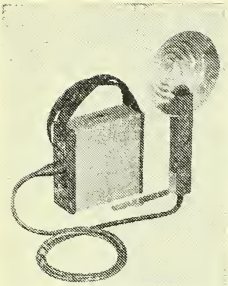
Harry Green, Ltd. (E.19).—Kiddy-soaps, Broadcast and Mary Drake toilet and bath soaps.

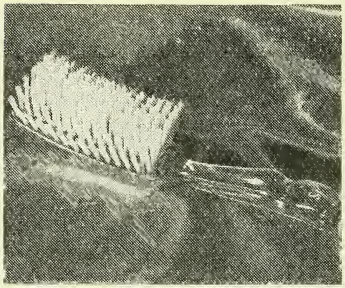
Walter Gregory & Co., Ltd. (B.21).—Sturdiminor 10-c.c. hypodermic syringe, Sturdiblay outfit for veterinary work, and aerosol products.

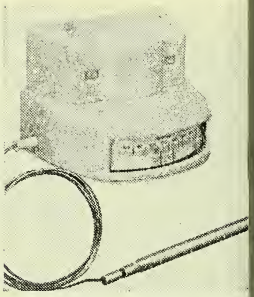
Edward Gurr, Ltd. (B.19).—Michrome brand microscopic stains, biological reagents, indicators, microscope immersion oils, photographic dyes, etc.



Sulphuric acid absorber (Quickfit & Quartz, Ltd.).







Left: Courtenay Minor electroflash equipment (Clive Courtenay & Co., Ltd.); centre: lady's hairbr (Spa Brushes, Ltd.); right: mercury-in-steel temperature controller (The British Rototherm Co., Ltd

George T. Gurr (B.44).—Microscopical stains and biological reagents, including immersion oils, bacteriological culture media and buffer tablets.

Hanovia, Ltd. (D.30).—Ultra-violet and infra-red ray lamps including the small Sollux lamp (model 6).

Helèna Products, Ltd. (E.20).—Powder puffs in various sizes and some sixty different designs.

Howard & Sons, Ltd. (B.10).—The main theme is the 1851 Exhibition at which the company won a prize medal. The stand also shows enlarged contemporary engravings of that period, symbolising the industries which they supply today with their fine and technical chemicals.

Hy-G-Nic Paper Handkerchief Co., Ltd. (M.40).—Face tissues and drinking straws.

Imperial Chemical (Pharmaceuticals), Ltd. (B.22).—Anavenol K (a new type of intravenous anæsthetic for veterinary use), Cronetal (for the treatment of chronic alcoholism), Avlosulfon (for the treatment of leprosy), and Avlonyl (a colourless plastic wound dressing).

Innoxa Laboratories & Scientific Pharmacals, Ltd. (E.10).—Barrier creams and pharmaceutical products.

Ivers-Lee (Great Britain), Ltd. (E.11).—Machinery for heat-sealed unit packages for tablets, cosmetics, etc.

Jarrett, Rainsford & Laughton, Ltd. (L.100).—Stratton powder compacts, including examples produced for the Festival of Britain.

Johnsen & Jorgensen Flint Glass, Ltd. (D.11).—A full series of ampoules, vials, tubes, eye droppers, etc., and a range of tubes fitted with plastic caps.

Johnsons of Hendon, Ltd. (B.20). Photographic chemicals and accessories f camera-users.

Kaylene, Ltd. (B.3).—Analytical r agents, pharmaceutical and veterinary pr parations.

Kittybrewster (Paper), Ltd. (M.20). Kitti and other toilet rolls.

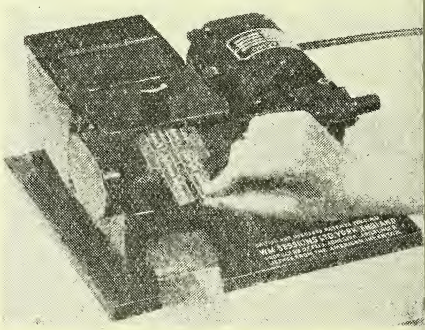
Laporte Chemicals, Ltd. (B.8 and 12 —Barium salts, hydrogen peroxide, etc.

Latex Surgical Products, Ltd. (E.26 —The Rabel hot water baby, a 16-in. se supporting "true to life" doll, which al incorporates a hot-water bottle.

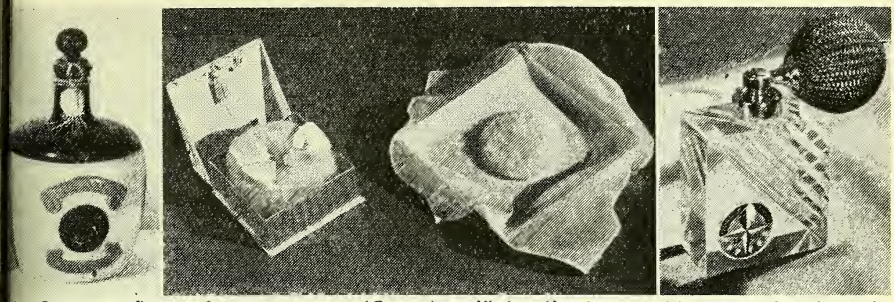
Leda Chemicals, Ltd. (B.42).—Laur chloride and other higher alkyl chlorides

Manesty Machines, Ltd. (E.6).—Th Manesty D3RY rotary tablet machin (with demonstration by arrangement wit William R. Warner & Co., Ltd.).

Marchon Products Ltd. (B.7).— fully equipped laboratory to show the tech niques used for testing the Marchon ran



Electrically operated machine for self-adhesive labe (William Sessions, Ltd.).



ft: Stoneware flagon of lavender water (Cosmetique Vigdor (Londres), Ltd.); centre: boxed powder iffs (Helena Products, Ltd.); right: spray designed for Festival of Britain (Gardner Co. (London), Ltd.).

synthetic detergents, surface active gents, emulsifiers, etc.

Leslie Marks & Co., Ltd. (E.40).—larksman sponges for toilet and bath purses. Also represented on the stand are oofah Products, Ltd., manufacturers of ofah articles including bath gloves, raps, etc.

May & Baker, Ltd. (B.25). — The and emphasises the application of the ompany's products in a wide range of uman activities, and shows. by means of onochrome photographs and coloured ansparencies, the uses of those products.

Micro Precision Products, Ltd. (D.2).—The Mark VI micro technical camera pecially designed for the professional orker.

Monsanto Chemicals Ltd. (B.4).—A umber of agricultural chemicals including :4-d selective weed-killer; Niran paranion insecticide; Santophen-20 and Sanbrite (contact weed-killers).

The National Cash Register, Co., Ltd. G.34). — National credit sanction sysm (which provides for press-button, reote-controlled sanctioning of sales bills) nd a variety of cash registers.

New Hygiene, Ltd. (E.5).—Disinfectnts, detergents and soaps.

Newton, Chambers & Co., Ltd. B.40).—Disinfectants, toilet rolls, etc.

Nipa Laboratories, Ltd. (B.13).—Prervatives, antioxidants and antiseptics.

Noel-Davies Research Group, Ltd. H.606).—Fonta water razor—a new azor which enables shaving to be done ithout soap, brush or electricity.

Ossicaide. (D.49).—A range of hearng-aid instruments weighing as little as ½ oz., and measuring 1½ in. by 3½ in., me of which are provided with both induction pick-up units and automatic volume control.

Potter & Clarke, Ltd. (B.28).—Galenicals, fine chemicals and essential oils.

Potter & Moore, Ltd. (E.17).—Lavender water and range of toilet preparations.

Charles Powis & Co., Ltd. (D.15).—An automatic camera of new design, incorporating built-in electronic flash, suitable for portraiture, personnel indentification, medical and scientific record photography.

Price's (Bromborough), Ltd. (B.50).—Samples of many grades of the company's products including stearines, oleines, fatty acids and fatty alcohols used in the manufacture of soaps, cosmetics, barrier creams and pharmaceutical preparations.

Quickfit and Quartz, Ltd. (D.5).—Models of large chemical plant installations including sulphuric acid absorber.

The Ramer Chemical Co., Ltd. (E.20).—Sponges in bath, toilet, baby and cosmetic sizes including the new Ramer Junior sponge in four shades—pink, green, blue, and yellow.

Reliance Rubber Co., Ltd. (E.31).—Moulded seamless hot-water bottles.

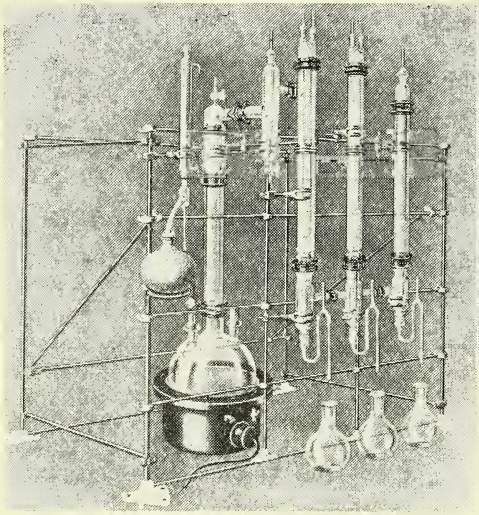
W. J. Rendell, Ltd. (E.8).—Medicated and non-medicated suppositories, etc.

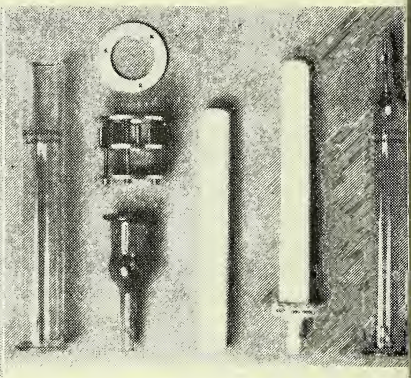
Roberts' Croupline, Ltd. (B.23).—Packed medicines and toilet preparations.

Rozalex, Ltd. (Birmingham, D.706).—Barrier creams and Rex dispenser for use with barrier creams in works, etc.

St. Andrew Mills, Ltd. (M.16).—Toilet tissues, Camelia sanitary towels, etc.

Frank Sammeroff, Ltd. (E.43).—Recently introduced elastic adhesive dressings in tins, and first-aid outfits and refills for industrial establishments.





(Left) Continuous distillation plant set up o a Kemiframe base (W. & J. George & Becke Ltd.); (Above) Laboratory pressure filte unit made of selected resistance glass for u where the corrosive nature of fluids prohibi the use of metal (Doulton & Co., Ltd.).

Elizabeth Saxton, Ltd. (E.15).—Perfumes in novelty packs including Walt Disney dwarfs.

William Sessions, Ltd. (E.13).—Toilet packaging and display material, self-adhesive labels and an electrically operated machine to dispense them.

Shell Chemicals, Ltd. (B.1.).—A cinematographic representation of the action taking place in the catalyst chamber of a catalytic cracking unit in the manufacture of gasoline.

Skuse & Co., Ltd. (E.16).—A selection of dental and toilet preparations, cosmetics and medicinal products under the brand names Skuse, Lemaire's Jean Adaire and Dr. Wilson's; and a new styptic pencil in a Poly-tainer case.

T. J. Smith & Nephew, Ltd. (E.38).—Elastoplast elastic adhesive dressings, and other surgical requisites.

Spa Brushes, Ltd. (K.17).—Spa range of toilet brushes including a pocket- or handbag-size clothes brush, and comb brush and curl comb combined.

Sparklets, Ltd. (E.7). — Sparklet syphons, dental sprays.

Splendor, Ltd. (Earls Court, O.734).—Chemists' sundries, foot aids.

Thomas Tyrer & Co., Ltd. (B.2).—Technical chemicals for pharmaceutical and photographic purposes.

Venner Time Switches, Ltd. (Birmingham, C.711).—Time switches for sho window lighting.

The Warm-Glow Co., Ltd. (D.10).—Vigilux electric blanket incorporating bedside control.

Watford Chemical Co., Ltd. (B.33).—Pharmaceutical preparations, insecticides emulsifiers, etc.

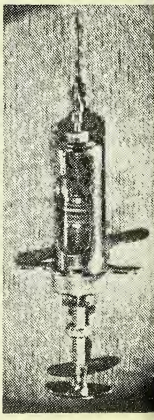
Whiffen & Sons, Ltd. (B.37).—Cardo phylin, Lachesine and fine chemicals.

Wood Brothers Glass Co., Ltd. (Earl Court, T.41).—Toilet and perfumery an laboratory glassware, ampoules, medicin tumblers, etc.

Lewis Woolf, Ltd. (E.28).—Feeder sets, teats, etc.

Wray (Optical Works), Ltd. (D.18).—The Wrayflex direct vision precision miniature camera, which takes standard cassettes of 35-mm. film equipped with a range of interchangeable lenses.

Zenobia, Ltd. (E.18).—Lily of the Valley perfume gift presentations.



At right: Sturdimajor veterinary hypodermic syringe (Walter Gregory & Co., Ltd.).

NEW INSTRUMENTS ON SHOW

E growth of the annual exhibition of Physical Society was demonstrated on occasion of the 35th Exhibition held Imperial College, South Kensington, ndon, on April 6-11, by the need to ac-nmodate about one-third of the Exhibi-n in the College's Huxley Building, in dition to using the normal space in the ghbouring traditional venue. The Ex-ition was marked also by the presence exhibits from research departments of French Government.

Among the exhibits of direct medical ap-cation were a range of tubing (by Accles Pollock, Ltd.), used for the manufacture hypodermic needles made of austenitic inless and high carbon steels and nickel, d what is claimed to be the smallest be in the world (external diameter 017 in. and internal 0.0005 in.) for e in medical research. Southern Instru-ents, Ltd., showed an arterial blood-pres-re recording apparatus.

icromanipulators

Microscopy and microchemical appara-s featured widely on the stands; ey included a number of micro-manipu-tors. Labgear, Ltd., have developed an strument, which was shown, that could made with maximum cheapness. It is ilt on the pantograph principle with tung-n eroded needles and is mounted on a ll-bearing movement which can be ghtened to give the required damping. that the operator may have two hands e, a simple knee-operated microscope cusing attachment has been designed for e with the dissector. Also shown on the and was an electrically heated micro hot-ate capable of being set for a range of mperatures which are indicated by signal ghts in the control panel. J. W. Towers, d., showed a micro-manipulator which corporated a damping mechanism formed two perfectly fitting greased surfaces. he same company showed a hermetic-ly sealed manipulating box designed iginally for the handling of radioactive aterials in a controlled atmosphere but hich has obvious applications in sterile spensing work. The cabinet has a sloping ass-top panel. Through the front wall e fitted two long sleeved rubber gloves allow the operator's hands access to any rt of the cabinet. Controlled atmosphere n be passed through the cabinet by eans of two stop-cocks, while samples, etc., can be placed into the cabinet through an air lock. Microscopical apparatus of potential interest to pharmacists included a number of instruments for phase contrast microscopy shown by the *Office Nationale d'Etudes et de Recherches Aeronautique* (a research organisation of the French Government) and other exhibitors. Techne (Cambridge), Ltd., showed a reflecting microscope fitted with a viewing screen, and C. Baker of Holborn, Ltd., a new wide field Greenbough binocular microscope. A hot stage microscope for use with a Dyson long-distance microscope was shown by the Associated Electrical Industries, Ltd.

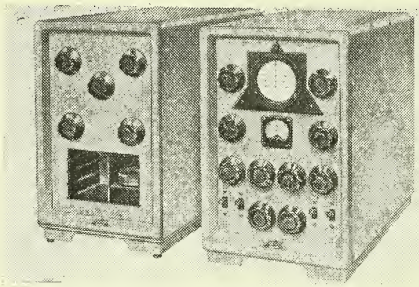
Microchemical Equipment

Microchemical apparatus included a new quartz fibre torsion ultra micro-balance, an improved model of an instrument designed by Dr. H. Carmichael for the Research Council of Canada, shown by Hilger & Watts, Ltd. (Watts division). Its sensitivity is claimed to be greater than 10^{-8} gm, while differences of up to 2 mgm. in comparison can be measured for a total load not exceeding 600-mgm. An apparatus for the determination of traces of moisture in substances was shown by W. Edwards & Co. (London), Ltd. The moisture is removed by freeze-drying, and the amount shown by a manometer when the frozen moisture is later allowed to evaporate. The apparatus is claimed to be sensitive to 10^{-5} gm. An ampoule cutting device is provided within the specimen holder. L. A. Steiner showed a novel micro burette in which mercury displaced the liquid to be measured. The instrument enables 0.0001 mil to be estimated.

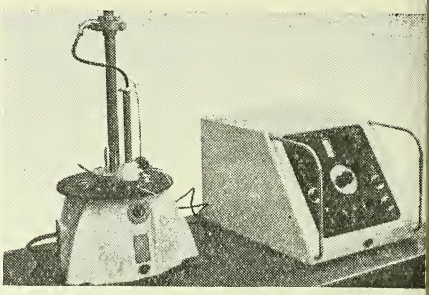
The Chemical Defence Experiments Establishment of the Ministry of Supply showed a photoelectric apparatus for counting drops discharged from a microburette, etc. It works at count rates of up to 400 per minute. A Wrayflex reflex camera for use with 35 mm. film was shown by Wray (Optical Works), Ltd. It is equipped with a series of interchangeable lenses and extension tubes, focal-plane shutter, etc. The reflex focusing and view finding mechanisms are free from parallax error.

Among the chemical glassware shown was a standardised range of chromatographic apparatus for the preparation of substances on a scale between semi-micro

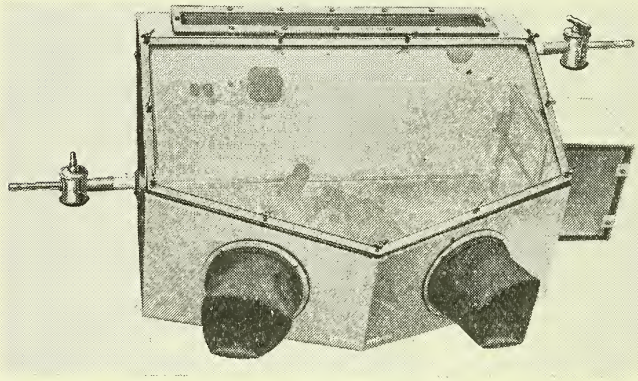
SEEN AT THE PHYSICAL SOCIETY'S 35th EXHIBITION



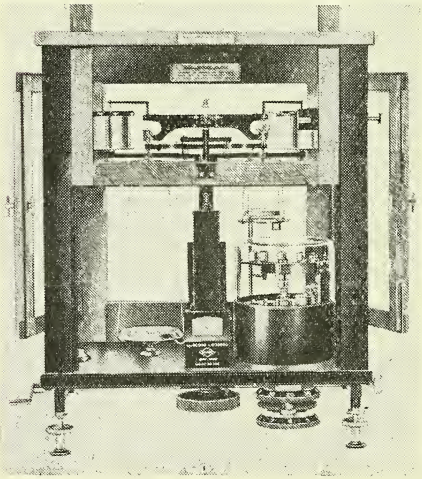
Unicam spectrocomparator " boxes."

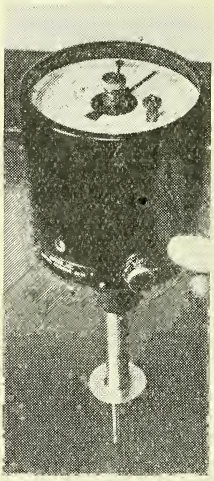


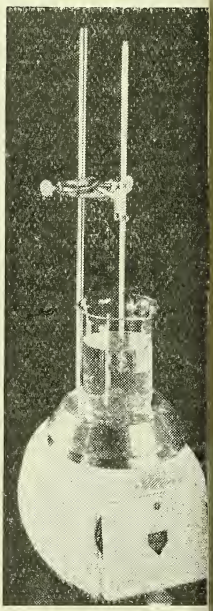
Mullard electronic polarograph assembly.



Manipulating box (J. W. Towers, Ltd.) for handling materials in controlled atmosphere. Illustration shows the atmosphere inlet and outlet cocks, the long sleeved gloves, and, right, the air - lock device through which material may be introduced into the manipulator.

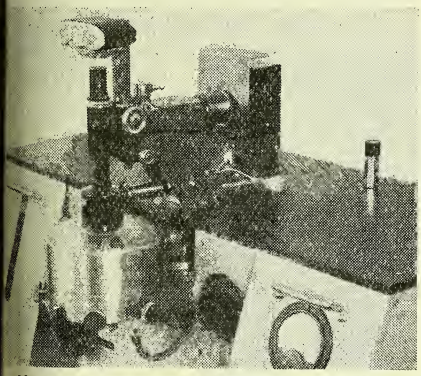






Left, Aperiodic balance showing the weight-selecting mechanism (George & Becker); centre, Portal viscometer (Ferranti); right: Magnetic stirrer and hot plate (Baird & Tatlock).

d laboratory by Quickfit & Quartz, Ltd. assblowing difficulties had been overcome produce a large extractor of up to 10 diameter. A new spinning band fracnating column and a new ether still ssessing a triple surface condenser with o water circuits were also shown. Baird Tatlock (London), Ltd., showed a newly signed magnetic stirrer combined for e with a hot-plate; an automatic micropette, and a falling sphere viscometer in hich the latest refinements are incor-



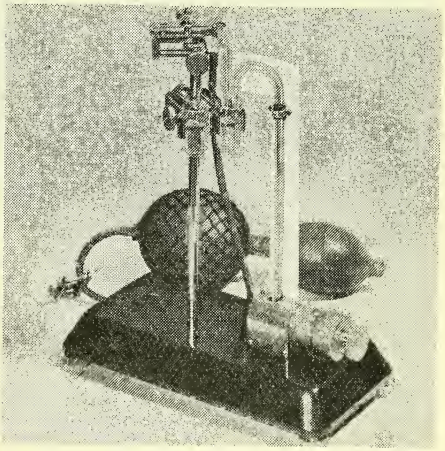
Hot-stage microscope (Associated Electrical Industries)

orated. A. Gallenkamp & Co., Ltd., owed a new type of microchemical comustion furnace. The heating elements are eavy nickel-chrome spirals, and the paratus is almost lagless to facilitate quick ttainment of equilibrium on cooling. Also own on the stand was a new neatly dégned electro-titration apparatus (end point dicated by electron beam tuning).

alances

A number of stands were devoted to emical balances and among the most notle new developments shown was a weight plication device in an automatic aperilic balance shown by W. & J. George & cker, Ltd. The weights are selected by rotating circular table, on which they are aced, by two control knobs. Agate mountgs were shown by Stanton Instruments, d.; L. Oertling, Ltd., showed a microemical balance which gives a direct ading of 1 microgm. per scale division. Barr & Stroud, Ltd., showed a range of tical filters including selective band fils which have a possible application in emical analysis. A prototype of a newly signed Lovibond Schofield tintometer bodying modifications worked out during the past ten years was shown by Tintometer, Ltd. It has to be tried on users' problems before production commences. Control of brightness is effected by the use of spinning sectors.

Outstanding among new physical chemical apparatus shown was the spectro-comparator by Unicorn Instruments (Cambridge), Ltd., which is designed to permit the continuous comparison between the spectra of the standard and unknown solutions and thereby to enable the composition of a mixture to be adjusted to be the same as that of an unknown. It is adaptable for use with visible, ultra-violet, and infra-red light. Sir Howard Grubb, Parsons & Co., showed an infra-red spectrometer which eliminates for certain purposes a normal drive unit, and Cambridge Instruments Co., Ltd., a pen-recording polarograph. The increasing use of electronics in solving chemical problems was reflected in a number of exhibits. A thermostat control switch attached to a

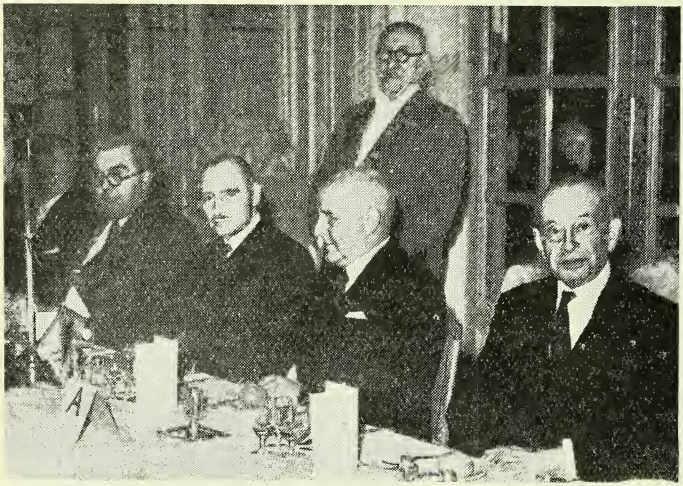


Micro-burette (L. A. Steiner)

thermometer and operated by electronic equipment sensitive to minute changes in electrical capacitance was shown by Fielden Electronics, Ltd. The same apparatus can be used for controlling liquid levels and as a froth detector. An electronic temperature controller based on the alteration of resistance of an element with temperatures was shown by the Mullard Radio Valve Co., Ltd. They also showed an electronic polarograph which allows accurate speedy results to be obtained. Ferranti, Ltd., showed instruments for measuring viscosity.

MERCHANTS' LUNCHEON AND MEETING

THE record number of 270 members and their guests were present at the twenty-eighth annual luncheon of the British Chemical and Dyestuffs Traders' Association, held in London on April 17. The chairman of the Association (Brigadier C. Norton Stafford, C.B.E., T.D.) presided. Among the guests were the Rt. Hon. K. M. Goodenough, C.M.G., M.C. (High Commissioner for Southern Rhodesia), Dr. Charles Hill, M.P., Sir Frank Nixon, K.C.M.G., C.B. (president, London Chamber of Commerce), Sir Patrick Hannon, Dr. G. M. Bennett, C.B., F.R.S. (Government chemist), Messrs. E. MacKenzie Hay (president, British Federation of Commodity Associations), and C. G. Hayman (chairman), with Messrs. J. Davidson Pratt, C.B.E. (director, A.B.C.M.), Captain W. Harriss, Major T. Knowles, C.B.E., Mr. R. B. E. Jackson, Mr. G. S. Owen, C.B. (Board of Trade, Export Department), Mr. R. L. Elkington (Controller, Export Licensing Control), Mr. C. G. Hulse (secretary, Dyestuffs Control), Major W. Gilbert, T.D. (Sulphur Control), and many other representatives of the industry and commerce.



At the head table : Dr. Charles Hill, M.P., Brigadier C. Norton Stafford, C.B.E., T.D., Rt. Hon. K. M. Goodenough, C.M.G., M.C. (High Commissioner for Southern Rhodesia) and Mr. Victor Blagden (a past-president of the Association).

The following officers of the association supported the chairman: Messrs. Victor Blagden, G. S. Bache, C. H. Wilson, Ian D. Orr, A.I.M.M., H. Gilliat, M.C., C. C. Hallett, T. Gregson, C. F. Blagden, L. Heskins, C. Fountain, D. Waugh, C. Bell, and H. R. Peters.

DR. CHARLES HILL, M.P., in proposi the toast of "The Association," said t activities of a merchant were chiefly co cerned with distribution in the home m ket and exporting and importing goo and materials to and from the worl markets and sources of supply, and business was beset with restrictions, contr and crippling re lations. The m chant believed freedom of ent prise and was c posed to mon polies, and to ex and flourish had to be efficie and enterprisi and provide economic and u ful service. Th basic principl which were esse tial to the succ of any business, u fortunately did n said the speak apply to Gover ment departme which, from t experience of t past few years, a peared to thi they knew mo about business th those responsible for building up Britai trading supremacy in the past. Above a the merchant had to make a profit or out of business. It was time those w were engaged in industry and commer should be less apologetic regarding t profits they earn by their own courage a hard work. They should make it cle that the making of profit is a man's esse tial interest, whether the gain is in t form of wages or dividends. In the lo run it was to the material advantage employees to be working for a successf firm that made profits. Free enterpris independence and the urge to get on cou only flourish where there was freedom enterprise, with a minimum of Governme interference.

MR. G. S. BACHE, responding, thank Dr. Hill for his invigorating speech. The was a fundamental difference betwe

G. S. Bache (president) with Mr. F. G. W. e (secretary) and Brigadier Norton Stafford.

de carried on by the Government with free use of the taxpayers' money and t by private interest. The latter had, ough the years, built up the wealth and nmercial strength of the country, while former, in the course of a few years, l succeeded only in dissipating much the country's economic stability. To-, said the speaker, Britain was faced h a costly rearmament programme with growing danger of a breakdown in her nomic life. In making preparations for ence against the possibility of hostili-, nobody should lose sight of the possi-ty that, instead of a third world war, next two or three years might bring economic struggle with Russia and an (who, with the aid of the United tes, was quickly regaining her commer-l power in the world). The fight for rld trade, essential to the life of the ion, would be fierce, and there was no ubt that the country's rehabilitation ld best be achieved under the proved tem of private enterprise.

Brigadier C. Norton Stafford gave toast "The Guests." He said they were noured and delighted with the presence many guests who held distinguished itions in industry and commerce and the departments of the Government at sent concerned with trade. Their pre-ce at that annual gathering of chemical rchants reflected the unity and strength their Association. Unity was very neces-y in order to meet the restricted and r-changing conditions under which they ried on their business.

The Rt. Hon. K. M. Goodenough, in bonding, said that in Southern Rho-ia, where he came from, they were ng believers in free enterprise, as was be expected in a country that was ely connected with the name of Cecil Rhodes. "In our country," said the speaker, "every man has free range to implement his own resources; we do not believe in ideology." Under the system of free enterprise, production was enormously increased, with many new industries established. Representatives of British exporters should travel to the "off-shoots" of Empire, such as Southern Rhodesia, whose requirements would increase considerably and were worth studying.

Annual Report

The following is a summary of the main points contained in the report submitted by the Chairman (Brigadier C. Norton Stafford, C.B.E., T.D.), and approved by members at the annual meeting preceding the luncheon.

Details have been circulated to members on import duties and other matters of concern to the trade, together with information relating to trade agreements and payment arrangements between the United Kingdom and overseas countries in respect of a number of chemical products. The Excise duty on home-produced hydrocarbon oils imposed by the Chancellor of the Exchequer in 1950 raised a problem for merchants supplying bonded consumers, but when the position was explained to the authorities, satisfactory arrangements were made which, while protecting the revenue, safeguarded the interests of the merchant.

The present abnormal demand for essential raw materials and its effect on available supplies have drawn attention to the possibility that some of the war-time controls on chemicals may be reimposed. Obviously in certain circumstances it would be in the national interest to protect supplies of a scarce material needed for essential purposes. Sulphur is a case in point, but the reintroduction of controls in preparation for what might or might not happen would be an unwarranted interference in the proper channels of trade, and it would appear that no official movement in that direction is contemplated.

Election of Officers

The following officers were elected for the year:—*President*, Mr. G. S. Bache, *Vice-president*, Mr. C. W. Lovegrove, *Chairman*, Mr. C. H. Wilson, Huddersfield, *Vice-chairman*, Brigadier C. Norton Stafford, *Treasurer*, Mr. Ian D. Orr, *Council*, Messrs. C. Fountain, H. Gilliat, L. S. Heskins and H. E. Peters.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quan ties of standard quality. Prices of crude drugs and essential oils vary as to brand or grad

London, April 25

THE volume of inquiry for PHARMACEUTICAL and FINE CHEMICALS is up to the level of recent weeks though there has been no improvement in deliveries. The seasonal demand for TARTARIC ACID, CREAM OF TARTAR, CITRIC ACID and CITRATES has been substantial but supplies are still restricted. Price movements during the past week have been fewer than in recent weeks and have included a rise of 3s. per lb. in prices of BARBITONE and PHENOBARBITONE, the sodium derivative in each case being 1s. per lb. more than the base. Other increases have included an advance of 1d. per lb. in CHLOROFORM and of 9d. per lb. in CHLORBUTOL. Makers have amended the scale of prices for technical and solvent ETHER; anæsthetic grade is unchanged in price.

In the CRUDE DRUGS market buyers have continued to exercise caution and an easier trend is apparent, though it is expected that any renewal of demand would soon change this tendency. Prices for new-peel CASCARA SAGRADA are not yet available; it is reported that freight charges for this article from the Pacific coast have risen. There has been good inquiry for Alexandrian SENNA PODS but supplies of good material are difficult and new crop pods reaching Port Sudan from the collecting areas have been delayed. Turkish OPIUM is very scarce and an improvement in supplies is not expected before the autumn. There has been a good inquiry for Indian PODOPHYLLUM but none is available on the spot; American (*peltatum*) is scarce on the other side and shippers do not expect to be able to offer until the new crop. Cape ALOES is steady; there is no improvement in supplies of Curaçao. MENTHOL is a weak market. Spot SHELLAC prices are lower, reflecting a decline in the delivery market.

The ESSENTIAL OILS market remains quiet. Lower prices are reported for Ceylon CITRONELLA, Chinese star ANISE and CASSIA. EUCALYPTUS is a very firm market. SPEARMINT is dearer.

U.S. Drug and Chemical Report

New York, April 20

SUPPLIES of BORIC ACID to be had in the open market are very scarce and resellers' prices for BORAX are fully maintained. Exporters are also having difficulty in locating supplies of EPHEDRINE and SULPHANILAMIDE owing to the general tight supply situation in the domestic market. Considerable interest is being shown in CITRIC ACID and TARTARIC ACID and their salts. The domestic production of both acids is reserved for home consumption. Because of unfavourable weathei in t producing areas most collections of c mestic CRUDE DRUGS are likely to be la this year and costs of collection are e pected to be higher than in 1950. Inqui for new-peel CASCARA SAGRADA is report as fairly active, but as yet no prices ha been named. There is scarcely any co mon round RHUBARB to be had in th market though, because of rather narr demand for the article, current quotatio for average grade root are subject to sha ing. Among the BALSAMS, prices are aga higher for TOLU at $6.50 per lb.; lit material is available for immediate deli ery. A small parcel of BUCHU LEAVES ha arrived here but the demand for the a ticle is extremely quiet. As a result shortages in most of the ORGANIC INSECT CIDES, local houses report a better inqui for CUBE ROOT. Fine-ground PYRETHRU is in an exceedingly tight supply positi and higher quotations ranging from 75 80 cents per lb. are largely nominal b cause of limited offerings.

Trade in ESSENTIAL OILS continu quiet, owing to the fact that prices origin are considered to be generally o of line with the maximum quotations which local houses can sell spot goo under the general price freeze ord CITRUS OILS are among the more acti sections of the market with limited qua tities of imported oils available on t spot and for shipment. Considerable i terest is now being shown in LEMON a ORANGE of domestic origin. Only sm quantities of CLOVE are to be had on t spot and replacement buying is practica at a standstill; prices at the origin a about three times greater than they we at this time last year. Supplies of AR MATIC CHEMICALS continue to be affect by shortages of basic raw materials.

Pharmaceutical Chemicals

BARBITONE.—Prices have advanced 3 per lb. 1-cwt. lots are now 39s. per lb 28-lb., 40s. per lb. SODIUM is 1s. per more than above rates.

BENZENE. — B.P.C. grade is quoted 5s. 3d. per gall.; thiophene-free, 7s. 6 per gall.

BRUCINE.—ALKALOID is from 1s. 8d. 1s. 9½d. per oz., and NITRATE and SU PHATE from 1s. 7d. to 1s. 8½d. per oz., to quantity.

CALCIFEROL.—1-kilo lots (in 25-gm. a poules) are quoted at 5s. 4d. per gm.

CHLORAMINE.—B.P. grade is from 2s. 5 to 2s. 9d. per lb. and 98 per cent. technic is 2s. 2½d. to 2s. 5d. per lb., according quantity.

CHLORBUTOL. — Dearer. 28-lb. lots are v 13s. 6d. per lb.

CHLOROFORM.—1-cwt. lots in winchesters 3s. 3½d. per lb.; 56-lb., 3s. 4d. In ms, prices are 3s. 2d. and 3s. 2½d.

ETHER. — Makers have amended prices nounced on April 2 for TECHNICAL, S.S., and SOLVENT, B.P. These grades, winchesters, are now quoted (per lb.) follows:—10-cwt. lots, 2s. 5½d.; 5-cwt., 6½d.; 48-lb., 2s. 7½d.; 24-lb., 3s. Surrges for ether in smaller packs are hanged. Rates for ANÆSTHETIC, B.P., not altered.

HYPOPHOSPHITES.—Prices per lb. are changed as follows:—

	7 lb.		28 lb.		1 cwt.	
	s.	d.	s.	d.	s.	d.
MONIUM ...	10	10	10	5	10	0
RIUM ...	7	1	6	8	6	3
LCIUM ...	5	5	5	0	4	7
N	10	10	10	5	10	0
GNESIUM ...	8	5	8	0	7	7
NGANESE ...	9	2	8	9	8	4
TASSIUM ...	7	5	7	0	6	7
DIUM ...	6	1	5	8	5	3

IODINE PREPARATIONS.—Rates (per lb.) as follows:—RESUBLIMED IODINE, 1-t. lots, 18s.; 28-lb., 18s. 6d.; 7-lb., s. 4d. IODOFORM, powder, 1-cwt. lots, s.; 28-lb., 22s. 6d.; 7-lb., 25s. 10½d. doform in crystal is 2s. per lb. more. TASSIUM IODIDE, 1-cwt. lots, 15s. 8d.; lb., 16s. 2d.; 7-lb., 18s. 8½d. SODIUM IDE, 1-cwt. lots, 16s. 9d.; 28-lb., s. 3d.; 7-lb., 20s.

ISOPROPYL ALCOHOL.—Prices range from s. 3d. to 16s. 9d. per gall., as to quantity.

KAOLIN.—In 1-cwt. bags, LIGHT is quo-l at 90s. per cwt., and HEAVY at about s. per cwt.

LIQUID PARAFFIN. — Price to wholesale tributors for HEAVY, B.P., is £100 per (7s. 10½d. per gall.). LIGHT, B.P., £81 per ton (6s. 3d. per gall.), in 40/45 ll. returnable loaned drums, delivered the U.K. WHITE and YELLOW SOFT RAFFIN are £91 6s. 6d. and £68 0s. 6d. ton, respectively, in non-returnable 3-t. drums. HARD PARAFFIN, m.p. 135/140° is £87; 145/150°F., £104 10s.; d 160/165° F., £125 per ton, in mini-m ton lots, ex works.

PANCREATIN. — 1-cwt. lots of B.P. are oted at 9s. per lb., and 28-lb. at 10s. S.P., 1-cwt. lots, 11s. 6d. per lb.; 28-lb., s. 6d.

PHENOBARBITONE. — Higher prices came o force on April 23. 1-cwt. lots are w 39s. per lb.; 28-lb., 40s. per lb. DIUM is 1s. per lb. more than above es.

THEOPHYLLINE. — Prices of ALKALOID nge from 52s. 6d. to 60s. per lb., as to antity. AMINOPHYLLINE is from 57s. 6d. 65s. per lb.

Crude Drugs, etc.

ACONITE. — Spanish *napellus* on spot, 3s. 6d. to 3s. 9d. per lb., duty paid.

AGAR.—Kobé No. 1 on the spot is from 9s. 2d. to 9s. 4d. per lb., duty paid.

ALOES.—Spot quotations are from 290s. to 295s. per cwt., as to quality; prime, for shipment, 270s., c.i.f., quoted. Curaçao on the spot continues scarce and 330s. per cwt. is quoted; no offers from the origin.

ANISE (STAR).—Supplies are offered for April-May shipment from Hong Kong at 253s. per cwt., c.i.f.; on spot, 290s., duty paid.

ANTIMONY. — English, 99.6 per cent., £402 10s.; 99 per cent., £390 per ton. Prices rose on April 5.

ARECA NUTS.—Ceylon, f.a.q., on the spot, are from 40s. per lb.

ARNICA FLOWERS.—Spot quotations are from 1s. 3d. to 1s. 4d. per lb., duty paid.

BELLADONNA.—Root on the spot is offered at 4s. to 4s. 6d. per lb.; leaves, 4s. 3d. per lb.

BENZOIN.—No. 1 Sumatra block on the spot is quoted at £30 per cwt.; for shipment, £26 10s., c.i.f.

BISMUTH. — In minimum 5-cwt. lots metal is now 22s. 6d. per lb.

BLACK HAW. — Tree bark is offered at 3s. 3d. per lb., ex store.

BUCHU. — New-crop short round leaves on the spot are offered at 2s. 2d. per lb., for shipment, 1s. 10½d., c.i.f.

CALUMBA.—Natural sorts are quoted at from 75s. to 80s. per cwt., spot.

CAMPHOR. — Firm. Chinese powder, B.P., is quoted from 5s. 1½d. to 5s. 3d. in bond (5s. 6d. per lb., duty paid). Tablets (¼-oz.), business done at 6s. in bond (6s. 6d., duty paid). Slabs (2½-lb.) are offered at 5s. 6d. per lb. in bond (6s., duty paid).

CASCARA SAGRADA.—Quiet. 1950 bark on spot is 385s. per cwt., duty paid (350s. per cwt. in bond); 1950 for shipment, 332s. 6d., c.i.f.

CASCARILLA. — Quills on the spot are 1s. 6d. per lb.; siftings, 1s. 4d. per lb.

CASSIA.—Whole bark for shipment from Hong Kong is quoted at 135s. per cwt., c.i.f.

CLOVES.—Quiet. Zanzibar on spot, quoted at 3s. 9d. per lb.; for shipment, April-May, 3s. 7½d., c.i.f. The primary market is steady. Madagascar is nominally 3s. 6d. per lb., in bond; April - May shipment, 3s. 3d. per lb., c.i.f.

COCILLANA BARK.—Spot quotations are at 2s. per lb., duty paid in London.

COCHINEAL.—Black is scarce on the spot and 8s. 9d. per lb. is asked; silver grey, available at 6s. 9d. per lb.

ERGOT.—Portuguese on the spot is quoted at prices from 85s. to 88s. per lb.

GENTIAN.—Steady. French on the spot is offered at 135s. per cwt.

GINGER.—Firmer. African on the spot is 290s. per cwt.; new-crop for April-May shipment, 282s. 6d., c.i.f. Jamaican, new-crop, April-May shipment, No. 3, 430s., c.i.f., value.

GUAIACUM. — Spot quotations are from 3s. 3d. to 3s. 6d. per lb.

GUM ACACIA.—Kordofan cleaned sorts, quoted at 127s. 6d. per cwt., spot; May-June shipment, 112s., c.i.f.

LIQUORICE. — Anatolian natural whole root on the spot in London is in short supply at from 51s. 6d. per cwt.; decorticated, 110s. Russian natural is 55s. per cwt.; double - peeled, decorticated, 125s., spot London. Syrian natural, cut, 55s. per cwt., ex warehouse London. Belgian block juice, 195s. per cwt. Turkish block juice is quoted at from 158s. to 220s., duty paid, according to holder. Turkish stick is 240s. per cwt., duty paid. Italian stick, 240s. to 475s. per cwt., duty paid.

MACE.—West Indian pale blade is nominal at 9s. 9d. per lb.; for shipment, 9s 4d., c.i.f.

MALE FERN.—Jugo-Slavian on the spot, is 55s. per cwt.; for shipment, 48s., c.i.f.

MENTHOL. — Little activity reported. Chinese on the spot is from 95s. to 98s. per lb., duty paid (in bond, 91s.); for May-June shipment from Hong Kong, 87s., c.i.f., quoted. Brazilian for May-June shipment, 8s. 6d. per lb., c.i.f.; spot quotations are at 88s. per lb., in bond.

MERCURY. — Spot quotations are from £73 10s. to £74 per flask, ex warehouse.

MYRRH.—Aden selected sorts are quoted at £18 per cwt.; B.P. sorts, £14; siftings, £8 10s.; spot London.

NUTMEGS.—West Indian 80's are offering at 4s. 9d. and unassorted at 4s. per lb., ex warehouse. East Indian for shipment are quoted at 4s. 9¼d. to 4s. 9½d., c.i.f.

PERU BALSAM.—Firm and scarce. Spot is quoted at 20s. 6d. per lb., duty paid.

PODOPHYLLUM. — Supplies of *peltatum* are scarce in America and shippers are not offering at present. Indian (*emodi*). for shipment from origin is quoted at prices from 550s. to 600s. per cwt., c.i.f.

QUASSIA.—Chips on the spot are offered at 35s. per cwt.; for shipment, 28s., c.i.f.

QUILLAIA.—Whole bark on spot is 160s. to 165s. per cwt. (cut, 190s. per cwt.).

QUINCE SEED.—Cape on the spot, 4s. per lb.; Continental, 3s. 0½d. per lb., spot.

RHUBARB.—Chinese Double Deer is offered at 9s. 9d. to 10s. 6d., duty paid (8s. 9d. to 9s. 6d. per lb., in bond); three-quarters pinky fracture is 8s. 3d. in bond. Indian is 1s. 5d. per lb., spot.

SAFFRON.—Spanish on the spot is quoted at 195s. per lb.

SARSAPARILLA.—Jamaican native red is from 2s. 6d. per lb.; for shipment, 2s. 4½d. c.i.f.

SEEDS.—Cyprus ANISE on the spot is 165s. per cwt.; Turkish, 150s. per cwt. in bond, and 160s. per cwt. duty paid. CARAWAY.—Dutch is easier. Sellers now asking 215s. per cwt., duty paid in London CELERY.—Indian sold at 1s. 10½d. per lb spot London. CORIANDER. — Market continues quiet. Morocco on spot is 170s. per cwt., duty paid, and 160s. per cwt., in bond. For shipment, new-crop, June-July 115s. per cwt., c.i.f. London, quoted. Indian, now landing, is 170s. per cwt., landed terms. It is reported that licences for Argentine have been issued and split seed has been offered at 70s. per cwt., c.i.f London, on sellers licence. CUMIN.—Market unchanged. Cyprus spot London or Liverpool is quoted at 255s. per cwt. India new-crop, for April-May shipment, quoted at 200s. per cwt., c.i.f. DILL.—India on spot is 80s. per cwt., business reported for shipment at 67s. 6d. per cwt., c.i.f FENNEL. — Indian quiet; sellers quoting 140s. per cwt., spot London. FENUGREEK.—In poor demand. Morocco, spot London or Liverpool, quoted at 52s. 6d. per cwt duty paid.

SENNA.—Spot quotations are unchanged Tinnevelly new wet crop leaves for May June-July shipment from India are quoted (per lb.) as follows:—Prime No. 1 1s. 3½d.; No. 2, 1s. 2½d.; No. 3, 1s. 0½d. and f.a.q. No. 2, 1s. 1½d.; No. 3, 11½d. No. 4, 9½d.; uncleaned No. 4, 8½d.; a c.i.f. Tinnevelly new wet crop pods are quoted as follows:—Special hand-picked 2s. 8d.; hand - picked, 1s. 10d.; f.a.q 1s. 3½d.; all per lb., c.i.f.

SHELLAC.—Spot F.O.T.N., pure, is 370s F.O. Standard 1, 390s.; and fine orange 420s. to 495s. per cwt.

STROPHANTHUS.—Firm. *Kombé*, 100 per cent. is 21s. per lb. on the spot.

STYRAX. — Quotations are from 9s. to 9s. 3d. per lb., duty paid, and 8s. 3d. in bond; to arrive, 7s. 9d. per lb., landed.

TOLU BALSAM.—Firm. B.P. on the spot is quoted at 40s. per lb.; natural, afloat 46s. per lb., c.i.f.

TONKA BEANS.—Frosted Parà are quoted at 6s. 6d. per lb., and Trinidad at 7s ex warehouse.

TRAGACANTH.—No. 1 ribbon on the spot is £200 per cwt.; No. 2, £175; No. 3 £155; No. 4, £85.

TURMERIC.—Madras finger is offered at 102s. 6d. per cwt., spot London; for shipment, April-May, 95s., c.i.f.

VALERIAN.—Belgian on the spot is quoted at 185s. per cwt., spot. Indian is 160 per cwt., spot; for shipment, 160s., c.i.f quoted.

Essential and Expressed Oils

WAXES.—Dar-es-Salaam BEES' is easier 620s. per cwt., spot; afloat, 565s., c.i.f.; ay-June shipment, 560s., c.i.f. Benguela 580s. in bond (620s., duty paid); for ipment, 580s., c.i.f. Sudanese is 620s., ty paid; shipment offered at 580s., c.i.f. ANDELILLA.—Spot is now 630s. per cwt.; rward 620s., c.i.f. CARNAUBA.—Prime llow, 1,275s. per cwt., spot, nominal; loat, 1,175s.; for shipment 1,120s. Fatty ey is offering at 1,110s. per cwt., spot; loat, 1,040s., c.i.f.; for shipment, 1,020s., i.f. MONTAN.—Reibeck on spot, 130s. per vt.; forward, 118s., c.i.f. OURICURI 0.5 r cent. impurities, 1,050s. per cwt., spot; r shipment, 990s., c.i.f.

ANISE. — The market has been weak, ith business done in spot oil down to 1s. per lb., but holders are now asking 2s. per lb. reflecting a rise in forward rices, from 9s. 6d. to 10s. 6d. c.i.f.

CASSIA.—Spot supplies are offered at 2s. to 33s. per lb.; for April-May ship- ent, 30s. per lb., c.i.f.

CASTOR OIL.—B.P. oil on the spot is ominally £306 per ton; Firsts, from £300; econds, £290 per ton naked, ex mill.

CINNAMON.—B.P. oil on the spot is quo- ed at from 52s. 6d. to 100s. per lb. Eng- ish bark oil is offered at 21s. to 22s. 6d. er oz. Ceylon leaf, 22s. to 23s. per lb., pot, nominal.

CITRONELLA.—Ceylon is offered at from 6s. 6d. to 18s. per lb., spot; for April- lay shipment, 15s. 6d., nominal, c.i.f. ava on spot is quoted at from 18s. to 20s. er lb., as to quantity.

CLOVE.—English-distilled bud oil is from 0s. to 31s. per lb.; other grades of bud il are from 28s. Zanzibar-distilled stem il is nominal at 18s. per lb., spot.

EUCALYPTUS. — Firm. 70-75 per cent. ucalyptol grade, 8s. 6d. to 9s.; and 90-92 er cent., 9s. 6d. per lb., nominal, spot.

LEMON. — Sicilian hand-pressed (4 per ent. citral) is offered at from 65s. to 0s. per lb., spot; for shipment, 58s. to 0s., c.i.f. B.P., 48s., spot.

LEMONGRASS.—Spot quotations are from 0s. to 31s. 6d. per lb. May-June, 29s., .i.f.

LIME.—West Indian on the spot is quo- d at from 67s. 6d. to 70s. per lb.

NUTMEG.—English-distilled oil is about 5s. to 57s. 6d. per lb. Imported oil (B.P.) about 37s. 6d. to 40s., duty paid.

OLIVE.—Refined oils in drums are offer- g at from 32s. 6d. to 34s. per gall, as to rade, ex wharf. French edible oils for hipment are offered at £355 to £362, as to rade, per 1,000 kilos; and Tunisian at 355; industrial (maximum acidity 5 per ent.), £335; all c.i.f. London.

PATCHOULI.—Spot quotations are in the region of 150s. to 160s. per lb.

PETITGRAIN.—Paraguay on the spot is in the region of 37s. 6d. to 40s. per lb.

PEPPERMINT. — Chinese *arvensis* oil on the spot is 34s. 6d. to 35s. 6d. per lb.; for shipment, 32s. 6d., c.i.f. Brazilian on spot is 30s. per lb. Italian "Mitcham" *piperita* is firm at 67s. 6d. per lb., with other grades of imported oils (B.P.) from 62s. to 65s. per lb., ex warehouse.

PIMENTO BERRY. — English-distilled oil, 85s. per lb. Imported oil is from 45s. to 47s. 6d. per lb., spot.

ROSEMARY.—Spanish on the spot is 10s. to 11s. per lb., duty paid.

SANDALWOOD. — Mysore oil on spot is from 82s. to 85s. per lb. East Indian, Dutch-distilled (95 per cent. santalol), 105s. per lb., duty paid. West Indian is available at 25s. per lb., spot. English-distilled 90s. per lb.

SPEARMINT.—Firm. Spot quotations are from 65s. per lb., duty paid.

Synthetics and Isolates

QUOTATIONS are per lb. and vary according to grade and seller.

ACETOPHENONE.—7s. to 9s. AMYL ACETATE.—4s. 6d. to 5s. (B.S.S., 308s. 6d. per cwt.). AMYL BENZOATE.—5s. 6d. to 6s. 6d. AMYL BUTYRATE.—6s. 3d. to 7s. 3d. AMYL PHENYLACETATE.—11s. to 13s. AMYL SALICYLATE.—5s. 3d. to 6s. 6d. AMYL CINNAMIC ALDEHYDE.—12s. to 17s. ANETHOLE.—21s. to 22s. 6d. ANISIC ALCOHOL.—67s. 6d. to 80s., nominal. ANISIC ALDEHYDE.—Ex paracresol, 15s. 6d. to 19s.; ex anethole, 57s. 6d. to 60s.

BENZALDEHYDE.—3s. 6d. to 4s. 6d. BENZOPHENONE.—9s. 6d. to 11s. BENZYL ALCOHOL.—Perfumers', 3s. 3d. to 4s. 6d. BENZYL ACETATE.—3s. 6d. to 4s. 6d. BENZYL BENZOATE.—Perfumers', 4s. 6d. to 5s. 9d. BENZYL CINNAMATE.—12s. 6d. to 14s. BENZYL ISOEUGENOL.—75s. to 80s. BENZYL PROPIONATE.—7s. 6d. to 8s. 6d. BENZYL SALICYLATE.—8s. to 12s. BENZYL SUCCINATE.—12s. 6d. to 16s. 6d. BENZYLIDENE ACETONE.—15s. to 16s. BORNEOL.—Recrystallised, 7s. to 10s. BORNYL ACETATE.—5s. 6d. to 6s. 6d. BROMSTYROL.—33s. to 35s. BUTYRIC ACID.—5s. to 6s.

CINNAMIC ALCOHOL.—15s. to 17s. CINNAMIC ALDEHYDE.—Synthetic, 6s. 9d. to 8s. CINNAMYL ACETATE.—40s. to 45s. CINNAMYL BUTYRATE.—40s. to 45s. CITRAL.—85s. to 100s., as to grade. CITRONELLAL.—55s. to 60s. CITRONELLOL.—Ex Ceylon, 112s. 6d. to 115s.; ex Java, 75s. to 85s., nominal. COUMARIN.—19s. to 21s.

DIETHYL PHTHALATE.—2s. 6d. to 3s. 6d. DIMETHYL BENZYL CARBINOL.—30s. to 55s. DIMETHYL HYDROQUINONE.—37s. 6d. DIPHENYL MENTHANE.—6s. 6d. to 7s. 6d. DIPHENYL OXIDE.—5s. 6d. to 7s.

ETHYL BENZOATE.—5s. to 6s. 6d. ETHYL BUTYRATE.—6s. to 7s. ETHYL CINNAMATE.—12s. 6d. to 13s. ETHYL ŒNANTHATE.—16s. to 18s. 6d. ETHYL SALICYLATE.—5s. to 6s. 6d. ETHYL VANILLIN.—51s. EUGENOL.—35s. to 40s.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, April 30

NOTTINGHAM BRANCH, PHARMACEUTICAL SOCIETY, lecture theatre, Medico-Chirurgical Society, 64 St. James's Street, Nottingham, at 7.30 p.m. Annual meeting.

FRANCO-BRITISH PHARMACEUTICAL COMMISSION, Royal Technical College, University of Glasgow, at 10.30 a.m. Professor J. Courtois (*Faculté de Pharmacie*, Paris University) on "The Organisation of French Pharmacy and Pharmaceutical Education." Pharmacists and students are invited to attend.

Tuesday, May 1

FRANCO-BRITISH PHARMACEUTICAL COMMISSION, University of Manchester, at 3.30 p.m. Professor J. Courtois (*Faculté de Pharmacie*, Paris University) on "The Organisation of French Pharmacy and Pharmaceutical Education." Pharmacists and students are invited to attend.

RHYL BRANCH PHARMACEUTICAL SOCIETY, Queen's Hotel, Rhyl, at 7 p.m. Annual dinner.

WEST HAM ASSOCIATION OF PHARMACISTS, Church Institute, 27 Romford Road, Stratford, London, E.15, at 8.15 p.m. Annual meeting.

WEST MIDDLESEX CHEMISTS' ASSOCIATION and BRANCH, Y.M.C.A., Bond Street, Ealing, London, W.5, at 8 p.m. Statements by candidates for the Pharmaceutical Society's Council election.

UNIVERSITY OF LONDON, Chemistry Lecture Theatre, University College, Gower Street, London, W.C.1, at 5.30 p.m., Professor R. B. Woodward (Associate Professor of Chemistry, Harvard University) on "Recent Advances in the Chemistry of Natural Products" (first of three lectures). (Second and third lectures at same place and time on May 3 and 7 respectively).

Thursday, May 3

DURHAM COUNTY BRANCH, PHARMACEUTICAL SOCIETY, Pattison's Dunelm Hotel, Old Elvet, Durham City, at 7.30 p.m. Annual meeting.

HARROGATE BRANCH, PHARMACEUTICAL SOCIETY, Fuller's Café, Parliament Street, Harrogate, at 7.30 p.m. Annual meeting. At 7.30 p.m. Mr. F. W. Adams (registrar of the Society) on "The Revision of the Society's Constitution."

LIVERPOOL BRANCH, PHARMACEUTICAL SOCIETY, large board room, Adelphi Hotel, Liverpool, at 8.15 p.m. Annual meeting.

PORTSMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Solent Hotel, South Parade, Southsea, at 7.30 p.m. Annual meeting.

Friday, May 4

EXHIBITION OF THE PETROLEUM INDUSTRY, Royal Technical College, Glasgow. Open until May 19.

SOUTH-WEST LONDON CHEMISTS' ASSOCIATION and BRANCH, A. J. Carpenter's Restaurant, 3 The Pavement, London, S.W.4, at 7.45 p.m. Annual meeting.

LONDON AND HOME COUNTIES FEDERATION, UNITED COMMERCIAL TRAVELLERS' ASSOCIATION, is holding a garden party at the Royal Commercial Travellers' Schools, Hatch End, Pinner, Middlesex, on June 23. Admission by programme, price 1s., obtainable from Mr. N. A. Magrath, 132 Havering Road, Romford, or Mr. H. H. Wharton, 127 Railton Road, Herne Hill, London, S.E.24.

TRADE MARKS

From the "Trade Marks Journal," April 11

For toilet shampoos, hair cream and brillian tine (3).

POMPADOUR, 665,676, by Pompadour Pro ducts, Nottingham.

For detergents (3).

DOMESTOS, 693,429, by Domestos, Ltd., New castle-on-Tyne.

For non-medicated toilet and cosmetic prepara tions (3).

MIDNIGHT, 693,710, by Dorothy Gray, Ltd. London, S.W.20. TARTAN, 694,120, by Boot Pure Drug Co., Ltd., Nottingham. MERCC LIZED, 696,013, by Dearborn (1923), Ltd., Lon don, W.C.2. MENDRYL, 696,496, by Cliffor Henry Warren, Chislehurst.

For soaps and detergents (3).

WISMAC, 695,098, by Industrial Soaps, Ltd. London, S.E.1.

For soaps, excluding toilet soap (3).

TINOPAL, 695,845, by J. R. Geigy S.A., Basle

For non-medicated face cream (3).

CREME MAGICIA, 696,105, by Gertrude Mar Hartley, London, S.W.1.

For medicinal oils and petroleum jelly (5).

CALTEX, 676,761, by Regent Oil Co., Ltd London, W.1.

For veterinary and disinfectant preparations fo external use on cats and dogs (5).

HATCHWELL SCRAM, B688,168, by the Hatch well Co., Ltd., Preston.

For deodorants and disinfectants (5).

SHAKTI, 690,514, by Coty (England), Ltd London, W.1.

For disinfectants (5).

DOMESTOS, 694,563, by Domestos, Ltd., New castle-on-Tyne.

PRINT AND PUBLICITY

Diet Charts and Recipes.—The inclusion of thre pages giving substitutes for foods often prescribe by doctors for conditions needing dietary treatme and which are often unobtainable are importa additions to the "Energen Book" (fifth editio 63 pp).

National Advertising Campaigns.—Cuxson, Ge rard & Co., Ltd., Oldbury, Birmingham, hav booked space in a number of daily and illustrate weekly papers to promote sales of Carnation cor caps.—For the first time since 1940 The Crook Laboratories, Ltd., London, N.W.10, are to adve tise Lacto—calamine in the national Press as cosmetic with the caption "The Foundation c Summer Loveliness." The company are to u posters also for the first time and these will b displayed in south and east seaside resorts. Sho material available includes large and small show cards (photographic study of the film star Audre Hepburn) and a price card.—Kathleen Court (Eng land), Ltd., Cooltan Laboratories, Hampton, Mid dlesex, are advertising Facial Youth in nation newspapers and women's magazines. A coloure showcard is sent with initial direct orders fo Cooltan.

tonic news

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Restorative and formative in principle, elegant in form and flavour, Minadex supplies the vitamins and minerals so necessary for sturdy childhood development and for speedy recovery from illness. Doctors commend Minadex for its remarkable reconstructive properties . . . parents recognise that it is a *tonic* in the truest sense of the word . . . and children love its delightful orange taste. Look over your Minadex stocks and estimate your needs today.

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Order your Standard Parcels direct from Greenford, stating through which wholesaler we should invoice.

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Each fluid ounce contains : vitamin A, 18,000 units ; vitamin D, 3,000 units ; iron and ammonium citrate 13½ grains ; calcium glycerophosphate 2 grains ; other minerals
6-oz. bottles—2/8d. plus 8d. p.t. 12-oz. bottles—4/8d. plus 1/2d. p.t.

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Full particulars of six Bonus Parcels are being mailed to all retail chemists. Post your order at once and reap your share of profit from this certain, summer winner.

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P.A.T.A.

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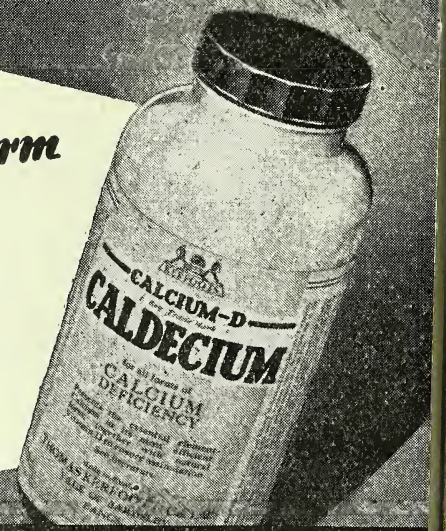

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Bourn-vita

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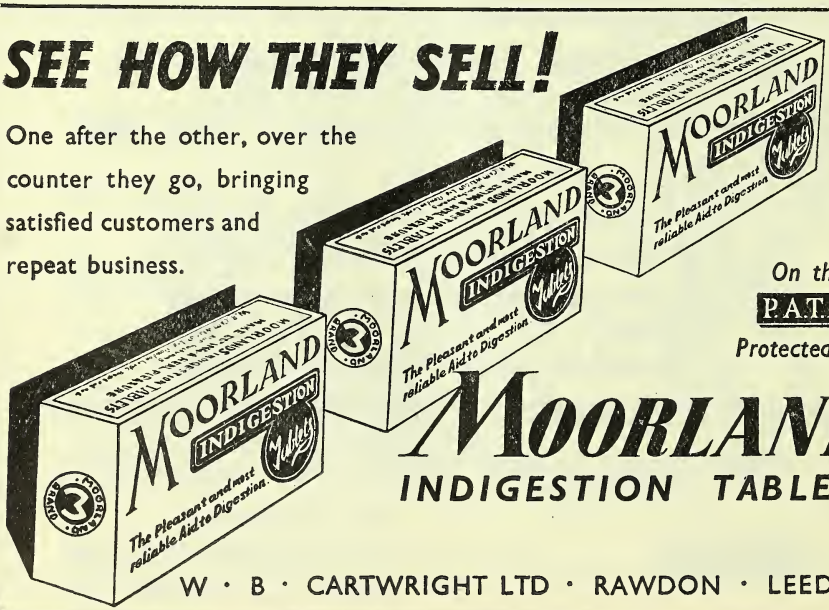

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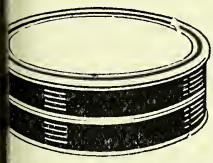

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FOR CONSTIPATION

SUITABLE FOR CHILDREN AND ADULTS

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All these prices include Purchase Tax

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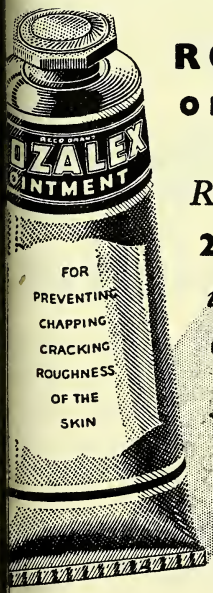

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Trade Mark

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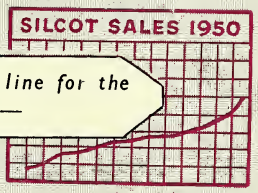
—widely, consistently, and effectively advertised—

—the regular choice of hosts of women—



a good profitable line for the chemist—

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is the admiration of the world

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PERFUMES IN SIX PASTEL SHADH

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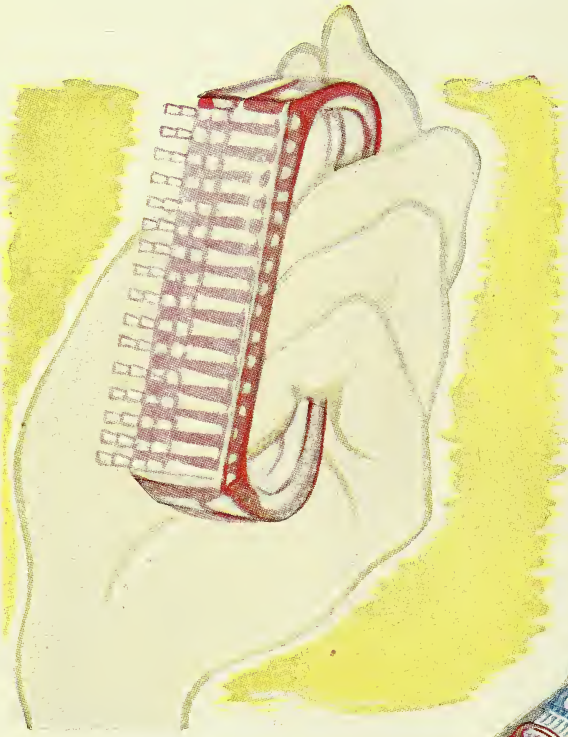

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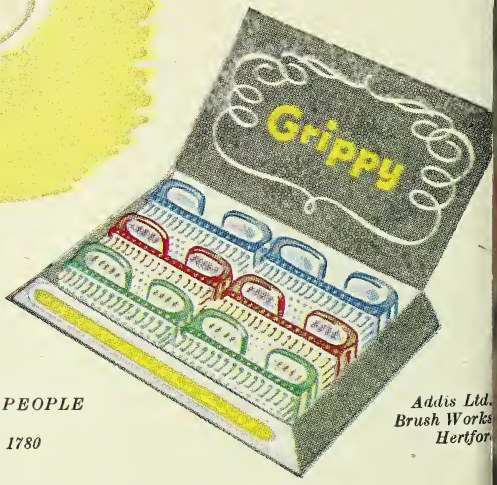
The price to you is 25/10 per doz. (*plus pur. tax*).



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FOUNDED 1833

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For Safe Control of Body Odour & Bad Breath

Odoban

TABLETS

Nature's Deodorant

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Odoban is the natural enemy of body odours which often resist ordinary measures of personal hygiene and cleanliness.

Odoban acts internally and helps to eliminate body and breath odours at their source.

Where ever you go, whatever you eat,
Whatever you do, in cold or in heat,
You'll never offend though strenuous the feat,
Odoban keeps you safe from your head to your feet.

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CH3290

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APRIL 30—MAY 11
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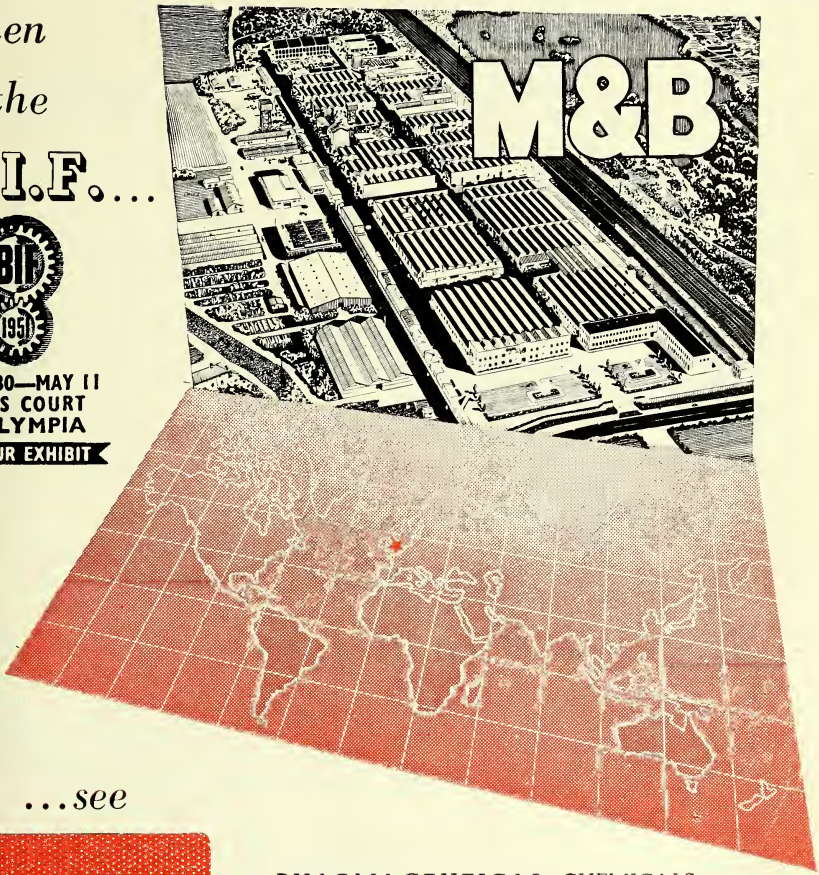

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ASSOCIATED HOUSES IN: SYDNEY • BOMBAY • PORT ELIZABETH • MONTREAL • WELLINGTON and LAGOS

Branches and Agents throughout the world

FOR HOME & EXPORT

★ Meta Amino Phenol 99/100°/o

★ Pas Acid
Pas Sodium
Pas Calcium
In Bulk and Tablet forms

★ Sulpha Drugs

HARDY

★ We can supply these and many other drugs advantageously.

M·W·HARDY
AND COMPANY
(OVERSEAS) LTD

PINNERS HALL·GT WINCHESTER ST·LONDON·E.C.2

TELEPHONE: LONDON WALL 7131

Buying Sunglasses?

THIS 'COLD WAR' is an OLD 'WAR'....

A BATTLE AGAINST RISING PRICES!

Stockpiling in America has resulted in an acute shortage of the raw materials necessary for the manufacture of Sunglasses; but although prices may tend to harden later in the Season, we are in the fortunate position of being able to continue last years' models and also to offer new styles with guaranteed 'Sales Appeal'.

Please ask your Wholesaler to show you our 1951 range; models retailing from as low as 1s. 0d. per pair.

... Including SUNRA GLASS.

LAST SEASONS' SUNGLASS SENSATION

VALUE = SALES! SALES = PROFITS!

Extra profits

from a novelty that sells at sight . . .

NOVOLOR

handbag mirrors, double-sided with assorted views, plain mirror on reverse side. Send for catalogue of stock views, also artistic range of glass cocktail and table mats.

See our exhibit at the

B. I. F.

STAND L28 OLYMPIA

NOVOLOR LIMITED

6-9 CHARTERHOUSE SQUARE
LONDON, E.C.1
PHONE: CLERKENWELL 1625-8

Specialists in photoprinting on glass, advertising tablets and pendants, mirrors, etc.

Crème Simon

31a/32a BEDFORD ST., STRAND, LONDON, W.C.

Announce the following price increase: effective 1st May, 1951

Crème Simon No. 2 Tubes—from 1/4d. @ 6/6d. to 1/6d. @ 7/3d.

Crème Simon M.A.T. Popular Jars—from 1/4d. @ 6/6d. to 1/6d. @ 7/3d.

Crème Simon M.A.T. Small Tubes—from 1/4d. @ 6/6d. to 1/6d. @ 7/3d.

Crème Simon Nucia Jars—from 4/3d. @ 20/6d. to 5/3d. @ 25/6d. and a small size in tubes is available to sell at 1/6d. @ 7/3d. per dozen

The products stated above are those only effected by the price increase, all other products and sizes remain the same

We invite you to write for this **FREE BOOK**

Most of the training necessary to qualify for a Diploma in Chiropody can now be taken at home by specialised correspondence lessons. Fullest particulars of how to enter this highly-paid profession from:

SCHOOL OF SURGICAL CHIROPODY
(Dept. CD),
LEATHERHEAD, SURREY

FACTS AND FIGURES ABOUT

PRODUCTS 1951

Brief information for busy chemists: A far larger advertising campaign than has ever before been planned for Steiner Products starts in March this year. Appearing in periodicals and magazines whose customer sales total a readership of over 6,500,000 women, it concentrates on straight selling to women through Steiner stockists. Advertising will feature established lines - S3, Sebosyn, etc., as well as the ingenious Steiner Squeez-e-spray bottle, a new and smart polythene container incorporating its own spray. Steiner Products now presented in the Squeez-e-spray include Hand Milk, Setting Lotion, Lacquer Sheen, 66 Hair Perfume and Eau-de-Cologne.

Hairdressers *and Perfumers*

by appointment

Enquiries to Sales Manager,
Home Sales Division,
Steiner Products Limited,
66 Grosvenor St. London W.1

PTI

New and powerful

SHAMPOO TREATMENT

for head disinfestation

Esoderm Medicated Shampoo represents a new approach to th prevention and effective treatment of head infestation by Pediculosi capitis (head louse). Combining DDT 1% and Ti-tree oil ½% in specially prepared base, Esoderm Medicated Shampoo has a power ful cleansing action but is non-irritant and pleasant t use. It deals with the problem quickly and effectively and weekly applications prevent re-infestation. Orde s tocks from your wholesaler—right away!

Bonus offer of 13 to the dozen

ESODERM *Trade Mark*

Medicated **Shampoo**

15/- per doz. retail less 33⅓% discount, Purchase Tax 3/4 per doz
Retail price: 1/6½ per tube including Purchase Tax

Manufactured by

PRIORY LABORATORIES LTD. PYRAMID WORKS, WEST DRAYTON, MIDDLESEX

***Sole Distributors for Scotland*: James Taylor (Trongate) Ltd., Glasgow**

TWENTY NINE YEARS IN CHEMISTS DISTRIBUTION

VERNON S. PORTER

Vernon S. Porter.

CONSULTANT

★ PACKAGING ★ PRODUCT DESIGN

★ SALES PROMOTION ★ ADVERTISING

● AT FELBRIGG EMPRESS AV. WOODFORD GREEN ESSEX ● TEL. BUCKHURST 3683

"Charm" PAYS!

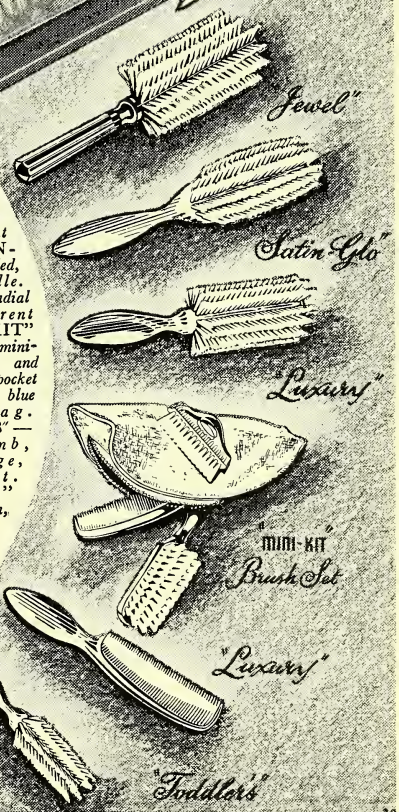
Hughes "Charm" hairbrush, selected for the Festival of Britain Exhibition Land Traveller to illustrate modern development in the story of the hair brush.

ALL Hughes personal brushes and combs are winners, and the "Charm" is especially rich in selling points. *The* brush for customers who demand an orthodox brush styled in the modern manner. Perfectly cut nylon tufts. Most attractive back and handle of clear, sparkling material. In crystal and the three lovely Hughes' pastel shades of blue, pink and green. Streamlined non-slip DISPLAY PRESENTATION CASKET. Ideal for display at any angle. Like all Hughes brushes "*Charm*" is packed in an individual, delicately-coloured box to match colour of brush, and is moderately priced. Every Hughes brush carries the "Good Housekeeping" Guarantee seal.

Keen competitive prices on application.

● "JEWEL"—*radial bristle or nylon, transparent handle.* "SATIN-GLO"—*nylon filled, translucent handle.* "LUXURY"—*radial nylon, transparent handle.* "MINI-KIT" BRUSH SET—*miniature crystal hair and clothes brushes, pocket comb, in red or blue zippered bag.* "LUXURY" 8"—*dressing comb, medium gauge, transparent.* "TODDLER'S" *medium soft nylon, transparent handle.*

Order through your usual wholesaler or direct from:—



Hughes

38/41 **BRUSHES LTD.**

ARGYLL AVENUE, TRADING ESTATE, SLOUGH, BUCKS.

BIG-MONEY MONTHS ARE HERE!

'Cooltan'

'FESTIVAL YEAR' SEASON OPENS!

The sun's coming out—and so is this year's great Cooltan Advertising Campaign! More spaces . . . bigger spaces—more newspapers . . . more magazines! Total circulations of journals to be used exceeds 274 millions. It's Cooltan's best campaign yet. This wonderful Sun-Tan Cream—the leader by a long margin—is going right ahead to break all previous sales records! Include YOUR shop in this grand profit-bringing boom — order your stocks ***now!*** WARNING — supplies may be short later on due to export demands and Container shortage so please order wisely ***NOW!*** New retail prices, Tubes: 2/2, 3/9 and 5/3. Also available in Lotion and Powder forms.

SHOW THE SHOWCARD

Display the colourful, new and larger 'Cooltan' Showcard prominently — that's the way to get the passing crowd — who all want 'Cooltan'!

DON'T MISS THESE OTHER ADVERTISED PRODUCTS

'HENNAFOAM'
—the *different* Soapless Shampoo that brings new Glamour to every shade of hair. Double pack retails at 6d.

'FACIAL YOUTH'
—unusual skin-reviving Beauty Cream greatly in demand by your over-30 customers. Retails at 3/11d.

ORDER TO-DAY—from Recognised Wholesalers. Special terms on DIRECT Parcel Lots for Window Display. (These Parcels ***not*** available through Wholesalers).

KATHLEEN COURT (ENGLAND) LTD. COOLTAN LABORATORIES, HAMPTON, MIDDLESEX

SEE THE COMPLETE RANGE OF

Britain's fastest-selling Brushes

AT

STAND Nº K.14 OLYMPIA B.I.F.

HYGEX personal brushes of every type, to be shown at the B.I.F., include the famous rubber-cushioned hair brushes in nylon, bristle and wire—in several delightful colours; and many are packed in attractive modern transparent display boxes. Retail prices of Hygex Hairbrushes are from 5/- to 40/-. There are also Hygex shaving brushes, retailing at 3/6 to 5 guineas; military brushes; and nail and clothes brushes.

Amidst changing trade conditions, Hygex brushes remain outstanding in workmanship and design—while prices are still remarkably low.

Orders will be taken at the Stand for delivery through your usual Wholesaler.

Hygex

THE BRUSHES PEOPLE CAN WELL AFFORD

Sole Manufacturers: HENDERSON BROS. & CO. LTD., PALLION ESTATE, SUNDERLAND

REGRETFULLY

we have been compelled to increase the price of

Evan Williams WAVE SET

but

Retailers' profit margin is fully maintained

Owing to increased costs of materials and production the price of this line is now

6/7 per doz. plus 100% Pur. Tax

Retail price now 1/4 inc. tax.

EVAN WILLIAMS CO. LTD. Aintree Rd., Perivale, Middx.

A high profit return for you . . .

and a boon to your women customers. LIP-COTE is the new transparent liquid coating that really stops ugly lipstick smears on cigarettes, cups, etc. LIP-COTE is the cosmetic that women have been waiting for, it's good business for you to stock it for them.

Nationally advertised.

Retail price 6/6 (P.T. 2/7 included).

Lip-Cote **STOPS LIPSTICK SMEARS**

B.G.P. (COSMETICS) LTD., 37 Chesham Place London, S.W.1. Telephone: SLOane 4107

IN THE CHEMIST & DRUGGIST TRADE

EVERYONE'S READING

CRESSWELL BROTHERS' NEW BROCHURE BRIGHTEST AND BEST ILLUSTRATED PRICE LIST OF NATURAL DEEP SEA SPONGES

B.I.F. Visit our Stand No. E 39. OLYMPIA April 30th to May 11th

CRESSWELL BROS. SPONGES

(WORLD NATURAL SPONGE SUPPLIERS LTD.)

INTERNATIONAL BUILDING

BUCK STREET, CAMDEN TOWN, LONDON, N.W.1

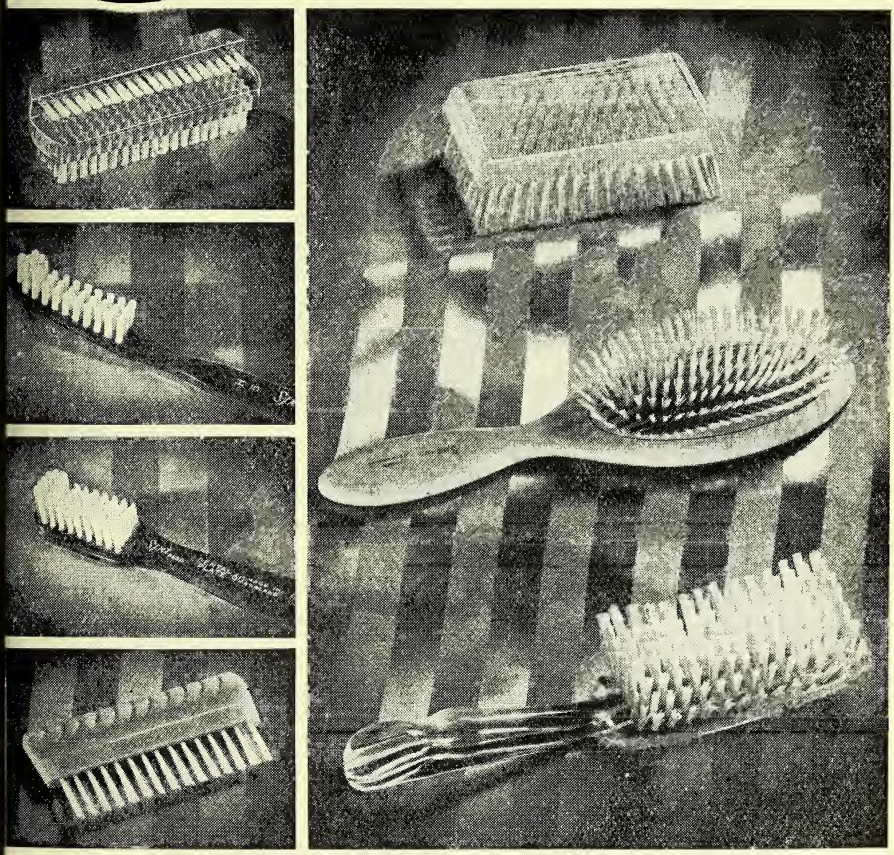
Gulliver 5462-3 Grams: Sponge, Norwest, London

Spa (Regd.)

THE FOREMOST NAME IN

Quality Toilet Brushes

STAND K17 B·I·F OLYMPIA



The above illustrations are examples of the modern and attractive designs of Hairbrushes, Nailbrushes, Toothbrushes, Dental Plate Brushes and Clothes Brushes, available in the 1951 SPA range. Elegantly packed and available in a wide range of beautiful colours.

SPA BRUSHES LTD · FREEMAN WORKS · CHESHAM · BUCKS

Delavelle

INVITE YOU TO CALL AND SEE THEM AT THE

STAND No. E.33 B.I.F OLYMPIA

Delavelle CREATORS OF BLUE ORCHID AND OTHER FINE PERFUMES

Blue Orchid Perfume and Toilet series • GARDENIA • DEVON VOILETS • GARDEN FLOWER PERFUMES
EAU DE COLOGNE AND OLD ENGLISH LAVENDER.

WE WANT MILLAMALT

Sole Manufacturers: JEFFREYS, MILLER & CO. LTD., Leyland Mills, Wigan. (London Dept. 19 Brookside Rd. N.19) BECAUSE OF THE BUTTERSCOTCH FLAVOUR

THE ORIGINAL
JANET MOORE
BEAUTY PRODUCTS ARE AVAILABLE
Apply :- JANET MOORE LTD
3 STATION ROAD, WATFORD, HERTS

Now Available SACKERS HYGIENIC METAL COMBS
Will remove Nits, Vermin from hair and scalp
All Enquiries SAQUERRE LTD. 62-64 BROOK STREET, LONDON, W.1

The remarkable success of the "Craigway" Corn Plane is due to the new principle involved. The angle of the blade is the secret. This new and profitable line only needs showing to SELL!

Individually packed in cartons

DISPLAY CARD OF 18

RETAIL 2/3 PRICE

15/4 per doz. plus Purchase Tax
Usual discount to Wholesalers

Sole Distributors:
CRAIG & PARSONS LTD., 82, Stafford Road, Wallington, Surrey
Phone: Wallington 3694

ADVERTISING *with the right appeal!*

This intriguing advertising with its strong feminine appeal is creating good business for you. Through the popular national magazines it's reaching a great percentage of the women of the country. Young or old those women want to keep the natural sparkle in their hair. And from this advertising they're learning the secret! They are discovering that from the eight natural shades available there's a special Shampoo and Tonrinz to suit *their* colouring. Be ready to meet the demand by ordering your stocks of Camilatone Toning Shampoo and Tonrinz now!

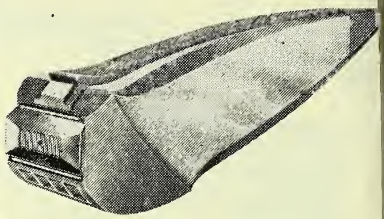
CAMILATONE LTD., EDGWARE RD., WELSH HARP, LONDON, N.W.9

Brilliant shaving discovery!

The FONTA WATER RAZOR

All men on the look out for new and better shaving methods—and what man isn't—will welcome the FONTA Water Razor, the easiest, quickest, smoothest - shaving razor ever designed. Like the safety razor itself, the FONTA is one of those revolutionary, habit-changing developments that bring a tremendous increase in business for those who seize the new opportunity *at the start.* Send *your* inquiry now!

To help you sell
Widespread editorial publicity — forceful advertising, area by area—attractive window displays—*free* personal column advertisements with *your* name and address.
See it on STAND H606 at the B.I.F. (Olympia)



- Shaves by *water cutting*—need no soap, cream or plugging in
- Takes all popular makes o blade.
- Fills like a fountain pen.

The Fonta Water Razor is fully protected by Britis and Foreign Patents, granted and pending.

Sole Manufacturers: THE NOEL-DAVIES RESEARCH GROUP LTD
CHIRK, WREXHAM Telephone: CHIRK 2225 (2 lines)

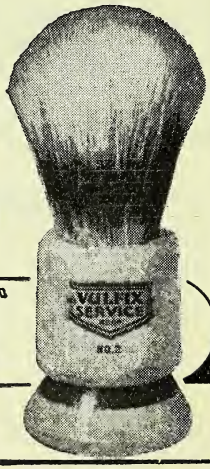
I took **VULFIX** straight on the chin!

And I kept it there, whipping up a whiske wilting lather in a wink!

VULFIX "SERVICE"
obtainable through all wholesalers
Retail at 4/6, 6/9, 7/6, 9/6, 12/3, 12/6 and 21/- each

THE BRUSH WITH THE TWO YEARS GUARANTEE

See our STAND No. K.15 at the B.I.F. OLYMPIA



VULFIX "Service" Shaving BRUSH
PURE BRISTLE

PROGRESS SHAVING BRUSH Co. Ltd.
Mettram Street, Stockport • 49 Leadenhall Street, London, E.C.3
Phone: STOckport 2147 Phone: ROYal 2857

Trade Secrets

. . . Fan mail for Bristow's LANOLIN SHAMPOO includes many letters like these from enthusiastic chemists and their assistants. Surely that is the highest tribute of all to this first-class Shampoo! Recommend Bristow's confidently — it really does what the advertisements claim for it.

AYRSHIRE

Dear Sirs,

Please send per return 3 doz. 2/- Bristow's Shampoo.

While writing this order I would like to take the opportunity of stating that there is really only one shampoo and that is Bristow's. I use it personally and have never come across any shampoo to equal it for lather, cleansing properties and freshness. I have recommended same to many customers who are now of the same mind.

Yours faithfully,
(Sgd.) W. J. L.

HULL

Dear Sir,

I am a salesgirl in a chemist shop. I felt I just had to write and pay a word of praise to your wonderful shampoo cream, which I recommend with every confidence to all our customers.

My own hair was very dry and dull after a perm, but after using Bristow's Shampoo Cream it is much brighter and all its lustre and natural oils are now returning to my hair.

Yours truly,
(Sgd.) MISS M. L.

No need to tell you the value of LANOLIN-it's your best-selling-shampoo story!

HANDY TUBE: 8/10 a dozen plus purchase tax at 33⅓% to retail at 1/3.

STANDARD TUBE: 14/2 a dozen plus purchase tax at 33⅓% to retail at 2/-.

T. F. BRISTOW & CO. LTD., OLD BOND STREET, LONDON, ENGLAND T.37

BUY and SELL only the 3 Elegan HUMAN HAIR NETS

SUPERB TIGHT EDGE STAR

ASSOCIATE *YOUR* SHOP WITH THE Elegan NATIONAL ADVERTISING TO TEN MILLION WOMEN EACH MONTH

THE "Elegan" Hair Net National Advertising Campaign is promoting an ever-increasing flow of business into the shops of "Elegan" Stockists. So DON'T DISAPPOINT *YOUR* CUSTOMERS; display the "Elegan" Window and Counter Sales Aids and let them see that you too are a stockist of "Elegan" Human Hair Nets.

PRICES FOR ALL SHADES
(except Grey or White)
ELEGAN 'SUPERB'
72/- *PER GROSS*
ELEGAN 'TIGHT EDGE'
48/- *PER GROSS*
ELEGAN 'STAR'
30/- *PER GROSS*
Plus Purchase Tax

Place your order NOW:—

ELEGAN HUMAN HAIR NETS

ELEGAN HOUSE, 8-12 BROADWICK STREET, LONDON, W.
Telephone: GERrard 5066 (5 lines) and at LEEDS, 11 York Place. Telephone: LEEDS 2348
or through your own wholesaler. **SAMPLES on REQUEST to NEW stockists**

Dual Personality

means double the Sales Appeal

A Hair Tonic that can safely be recommended to *both* Men and Women. It has never varied in quality. The test of over 70 years has proved its worth to the stockists and customers alike.

A cleansing tonic for dandruff and scurf, it stimulates the roots thus preventing loss and thinning of hair.

Small size (6/- retail) : 28/8 doz. plus 100% P. Tax
Large size (10/- retail) : 48/- doz. plus 100% P. Tax

Pétrole Hahn

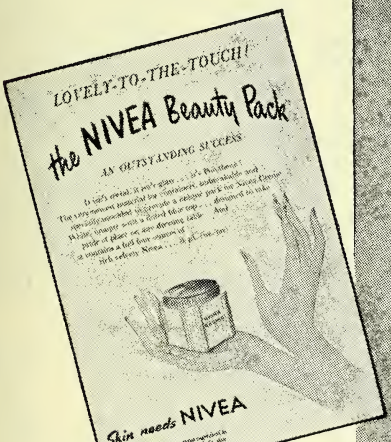
FOR THE HAIR

R. HOVENDEN & SONS, LTD., LONDON: 29-33 Berners St., W.1.
CARDIFF: 9-10 New St. BELFAST: 10 Royal Ave. LIVERPOOL: H. E. Jarvis & Co. Ltd., 5-7 Fleet St.
MANCHESTER: Watts Bros. (M/C) Ltd., 72 Cannon St. BLACKPOOL: Watts Bros. (M/C) Ltd., 88 Coronation St.

TELLING MORE PEOPLE

"SKIN NEEDS NIVEA." This simple factual statement goes round the country, directly influencing your turnover, increasing your profits.

Advertisements in the fashion and beauty press, the popular women's weeklies and medical and nursing journals, supported by attractive showcard displays in nearly every city, town and village in the country, are rapidly developing a wider and wider market for this favourite of skin creams.



GNT97

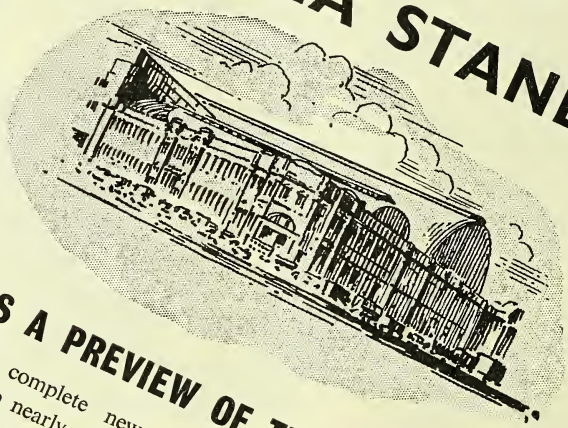
SELLING MORE NIVEA

HERTS PHARMACEUTICALS LIMITED, WELWYN GARDEN CITY, HERTS

Make a date with HALEX at the B.I.F.

April 30 to May 11

OLYMPIA STAND K.I.



HERE'S A PREVIEW OF THE NEW LINES

You'll find complete new ranges — often in persuasive new packages — in nearly all departments. So don't do a thing at Olympia until you've seen what Halex have to show, including:— 'RONDATED' TOOTHBRUSHES, COMBS, HAIRBRUSHES, TOILET GOODS, BABYWARE, BEX HOUSEHOLD GOODS, TABLE TENNIS BALLS.

Halex

LIMITED, HIGHAMS PARK, LONDON, E.4.

STAND B28 OLYMPIA

Says "Welcome!"

... and means it

We shall be glad to welcome old friends—and new—to show them our fine range of iodides, citrates, essences, galenicals, essential oils and all pharmaceutical preparations.

POTTER & CLARKE Ltd

ARTILLERY LANE · LONDON · E.1

Makers of Potters Asthma Remedy and Potters Catarrh Pastilles

and at 77 DANTZIC STREET · MANCHESTER

P.C.T.35

Background

TO A FINE TRADITION

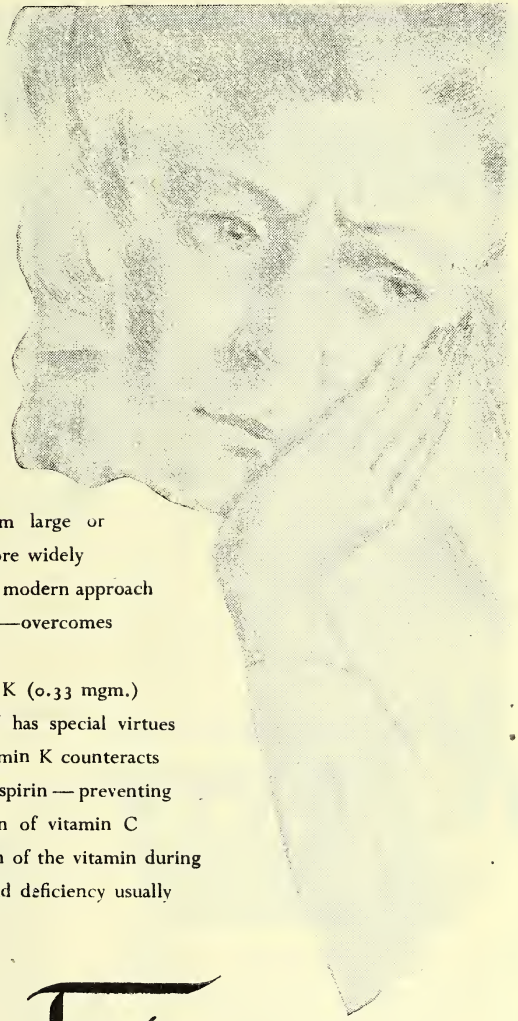
ALKALOIDS
FINE CHEMICALS
DRUGS & GALENICALS

Established in Edinburgh in 1827

T. & H. SMITH LTD.

BLANDFIELD CHEMICAL WORKS — EDINBURGH
LONDON: 4 CARLOS PLACE, W.1. GLASGOW: 32 VIRGINIA STREET, C.1

Safer salicylate therapy



The possibility of toxic reactions from large or continuous doses of salicylates is now more widely recognised. Doctors are finding that the modern approach to salicylate therapy—using EKAMMON—overcomes these serious sequelae.

Containing aspirin (0.33 gm.), vitamin K (0.33 mgm.) and vitamin C (20 mgm.), EKAMMON has special virtues as an analgesic and anti-rheumatic. Vitamin K counteracts the prothrombin-reducing action of aspirin — preventing hæmorrhagic tendencies. The addition of vitamin C compensates both the increased excretion of the vitamin during salicylate medication and the ascorbic acid deficiency usually associated with rheumatic patients.

Containers of
50 and 100 tablets.
Dispensing packs:
500 and 1,000 tablets.

Ekammon

A WBD MEDICAL PRODUCT

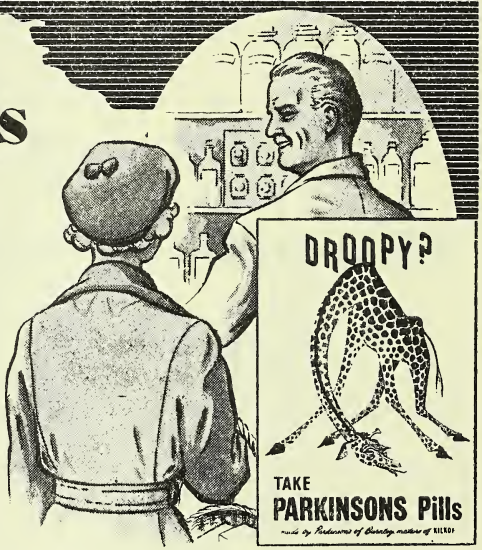
WARD, BLENKINSOP & CO., LTD.

6, HENRIETTA PLACE, LONDON, W.1.

"A bottle of PARKINSONS PILLS please"

Do make quite certain that you can supply what the customer asks for. And people are always asking for Parkinsons Pills—just as they ask for Kilkof during the cough season.

The new "Droopy" National advertising campaign will give fresh impetus to their demand. Give them Parkinsons, satisfy them, and profit from repeat sales.



PARKINSONS LTD. MANUFACTURING CHEMISTS, BURNLEY

Keen buyers buy

KAY'S BRAND LINSEED COMPOUND

and Kay's Compound Pastilles in 50/- lots. Mixed parcels are very profitable

3 doz. 1/7 Kay's Linseed Compound @ 10/3 doz. - - - -	£1	10	9
3 doz. 1/11 Kay's Compound Pastilles @ 12/- doz. - - - -	1	16	0
	3	6	9
Add Purchase Tax - -	1	3	3
	£4	10	0
Selling Price - - -	£6	6	0

From your wholesaler or direct from
KAY BROTHERS LTD., REDDISH STOCKPORT

More customers

ARE "TAKING THE WATERS" AT HOME...

Vichy-Célestins, the pleasant table drink with medicinal properties, enjoys sales of 40,000,000 bottles annually throughout the world. Demand for it is increasing steadily. Showcards and leaflets available on request.

VICHY-CELESTINS

WORLD-FAMOUS FRENCH SPA WATER

Bottled as it flows from the Spring

Sole Agents for the United Kingdom: **Ingram & Royle Ltd.** 50 Manchester St., London W.1., also for —Contrexeville-Pavillion. Evian and Vittel

A revolutionary new Beauty Soap containing Hexachlorophene is coming on the market

Here is the toilet soap news of the century! Derl is a health and beauty soap without a rival and is the first to contain HEXACHLOROPHENE, sometimes known as G.11. Extensive national advertising commencing at the end of May will create an unprecedented demand for this highly commendable new product.

Already, after a brief announcement in the "British Medical Journal," Medical and Health Authorities are displaying a marked interest in Derl, many hospitals, in fact, have already adopted it.

It has been found after exhaustive research, that soap containing HEXACHLOROPHENE reduces the bacterial flora of the skin to a very much lower level than any other known Soap, without clogging the pores, which is most important, since the body depends upon perspiration to keep temperature normal. HEXACHLOROPHENE is a germicide that remains fully active when mixed with soap, it is odourless and non-irritating to the skin.

You will be asked for Derl again and again. Be ready to meet the demand. Send NOW for schedule of attractive trade terms.

Derl

Health and Beauty Soap

PURE PRODUCTS LTD., COLWICK, NOTTINGHAM

G

The problem was

to neutralise aspirin and to make it soluble.

The problem has now been solved.

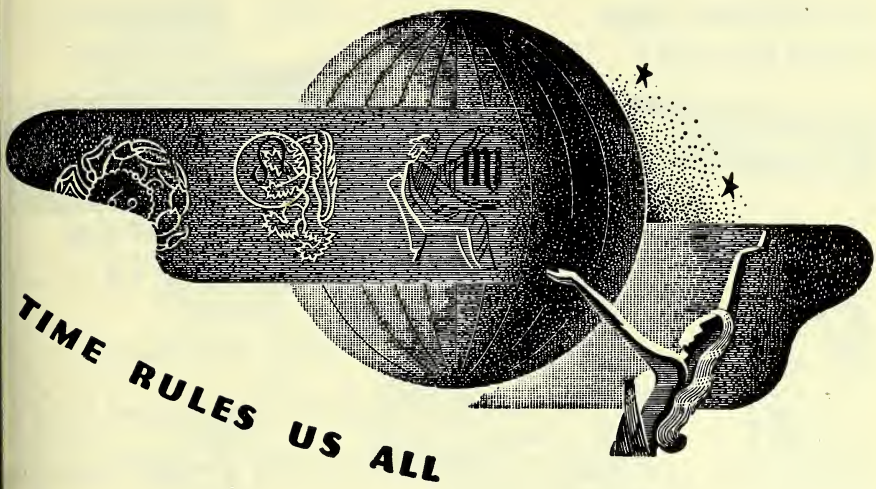
Aspirin is acidic, sparingly soluble, and for many subjects a gastric irritant. By contrast, its calcium salt is neutral, soluble and bland. Unfortunately, however, calcium aspirin as ordinarily presented is unstable, and thus, sooner or later, becomes contaminated with the breakdown products, acetic and salicylic acids. In 'Disprin' the problem of providing calcium aspirin in stable and palatable form has been solved. Extensive clinical trials show that Disprin in large dosage and over prolonged periods, can be tolerated without the development of gastric and systemic disturbances, except in cases of extreme hypersensitivity.

D I S P R I N REGD.

Neutral, stable, soluble, palatable calcium aspirin

On prescription Disprin is free of Purchase Tax.
Clinical sample and literature supplied on application.

RECKITT & COLMAN LTD., HULL AND LONDON (PHARMACEUTICAL DEPT., HULL)



. . . but for customers who depend on insulin to control carbohydrate metabolism it assumes an even greater significance.

In the selection of the type of insulin, speed of action and duration of effect are all-important factors. There are forms of A.B. brand of Insulin to meet all requirements.

INSULIN A.B. : The original unmodified type. Immediately effective but relatively short-lived.
5 and 10 c.c. vials (20, 40 and 80 units per c.c.)

GLOBIN INSULIN (with Zinc) A.B. : A combination of insulin and globin which has a slower and more prolonged action than Insulin A.B.
5 c.c. vials (40 and 80 units per c.c.)

PROTAMINE ZINC INSULIN A.B. : A suspension of insulin precipitated by protamine which is absorbed slowly, thus delaying the initial action and prolonging the effect for 24 hours and upwards.
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TRADE MARK

Insulin A.B.

Joint Licensees and Manufacturers :

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TO THE PHARMACIST OF QUEEN VICTORIA'S DAY IT MEANT THE PERFECT POWDER FOR NURSERY USE

TO THE PHARMACIST OF TO-DAY IT MEANS . . .

a soothing, cooling powder, which is perfectly harmless and may be used with safety to the most delicate infant, also in cases of excoriation, chafing and roughness of the skin, and as a valuable adjunct in every home.

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Retailing at
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MEDICATED TABLETS

will continue — for Coughs and Colds that still persist in Spring

There are 5 varieties:
T.C.L., Compound Thymol,
Sore Throat, Bronchial,
Pine Catarrh
Available in 5 lb jars
to retail at 5d. per oz.

Other SIMPKIN Specialities

Glucose Barley Sugar Medicated Pastilles
in 5 varieties
T.C.L., Bronchial, (containing Menthol and Friars Balsam). Antiseptic Fruit flavoured, Antiseptic Glucose Blackcurrant, and "Dilly Duckling" (Specially for the children)

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Vita Glucose Tablets

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Write for pre-paid order form giving list of all products available

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For quick and painless Tanning—

NURONA prevents painful sunburn while encouraging a quick *natural* tan. The Liquid (Sun Tan) is also very popular as a substitute for hosiery in all seasons.

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SUNTAN CREAM IN 4oz. & 8oz. SIZES

SUNBRONZE CREAM

The tube has proved extremely popular b cause of its handiness for pocket or handba

PRICES

Sun Tan Cream : (Liquid)	13/6 and 21/- per doz., pl 100% P. Tax. Retail at 2/ and 4/6 per bottle.
Sun Bronze Cream: (Standard Tube)	13/6 per doz., plus 100% Tax. Retail 2/9 per tube.

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Assorted orders for 3 doz. or more quali for Showcard and Bonus of one free bott or tube in each dozen.

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Now on sale in Britain

FRANCE'S FINEST FILM

For Speed & Brilliance

Be prepared for the Festival of Britain by placing your orders NOW and ensuring continuity of supplies.

Overseas Visitors will need no introduction to S.P.O. when they see it on display (show matter now available).

Distributors are now being arranged to cover the British Isles. A full list will be given in a future announcement.

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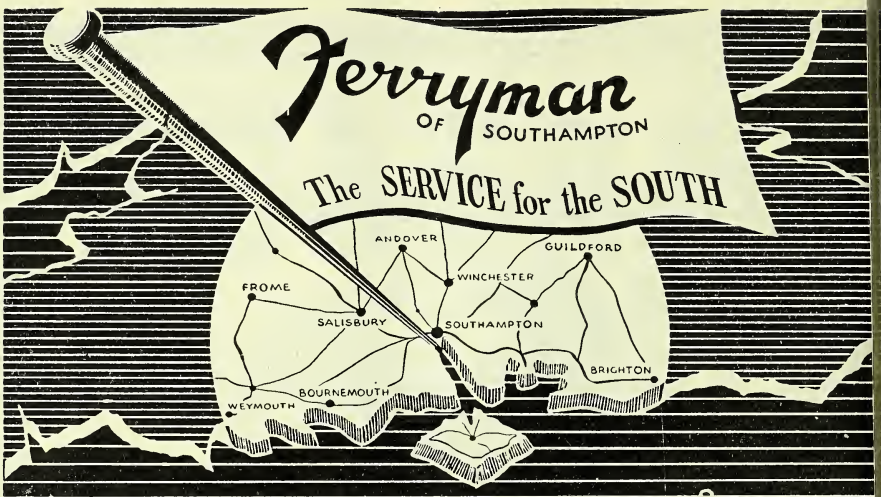

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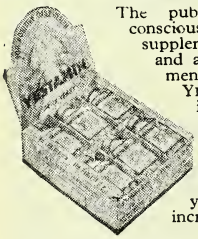

The public is increasingly yeast-conscious. The need of yeast as a supplement to our restricted diet, and as a preventive of many ailments, is widely known—and YESTAMIN's national advertising is a constant reminder. To give arresting point-of-sale emphasis to the advertising there are the compact and colourful YESTAMIN packs—show them and be sure of your share in YESTAMIN's increasing sales.

100 TABLETS	RETAIL 1/6	TRADE 12/3 PER DOZ.
300 TABLETS	RETAIL 4/-	TRADE 33/- PER DOZ.

Less 5% cash in 14 days

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DAILY YEAST

THE ENGLISH GRAINS CO., LTD., BURTON-ON-TRENT

FOR SAFETY

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Invest with safety

AND LET YOUR MONEY EARN
A TAX-PAID RETURN OF

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EQUIVALENT TO OVER $4\frac{3}{4}\%$ ON
AN INVESTMENT TAXED AT
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Interest accrues from day of investment. No brokerage fees or charges payable on investment or withdrawal. Shares cannot fluctuate in value.

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The WELLCOME FOUNDATION *and* THE FESTIVAL OF BRITAIN

At THE WELLCOME RESEARCH INSTITUTION, 183–193, Euston Road, N.W.1. From 9th May to 28th September, as a contribution to the Festival of Britain, The Wellcome Foundation is presenting an Exhibition prepared by The Wellcome Historical Medical Museum illustrating

THE HISTORY OF PHARMACY

This Exhibition is open to the public daily (except Saturdays and Sundays) from 10.0 a.m. to 5.0 p.m. In the same building Exhibitions, for members of the medical and other professions, have been arranged by THE WELLCOME HISTORICAL MEDICAL LIBRARY and by THE WELLCOME MUSEUM OF MEDICAL SCIENCE. Times of opening as above.

At THE WELLCOME HISTORICAL MEDICAL MUSEUM, 28, Portman Square, W.1. The following Exhibitions will be open to the public during the periods indicated: MEDICINE IN 1850 (open now, closing end of May); PREHISTORIC MAN IN HEALTH AND SICKNESS (open now, closing end of June); BRITISH MEDICINE AND THE CONTINENT, 1600–1800 (from early June onwards); THE MEDICINE OF ABORIGINAL PEOPLES IN THE BRITISH COMMONWEALTH (from early July onwards). These Exhibitions will be open daily (except Sundays) from 10.0 a.m. to 5.0 p.m. Dates of opening of the new Exhibitions will be announced later by the Museum.

All members of the profession, including visitors from overseas, are cordially invited to visit these Festival Exhibitions.

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MINIMAL SIDE EFFECTS

Antistin is indicated in the treatment of allergic conditions and anaphylactoid reactions

It is well tolerated by patients of all ages

Tablets 0.1 g. 20—3/3, 50—7/-, 500—63/-
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provides immediate and

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in vasomotor rhinitis, hay fever and other nasal allergies.
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LEDA CHEMICALS LTD.

are pleased to announce that they are now manufacturing the following quaternary ammonium compounds in commercial quantities :—

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These compounds, hitherto only available commercially from America, are not being marketed by us under trademarks, but are intended as raw materials for pharmaceutical and cosmetic houses interested in using them in their formulations. *ALSO AVAILABLE:* HIGHER ALKYL CHLORIDES, broad and narrow cuts from C_8-C_{18}. Data sheets and full information gladly supplied on request.

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The Cleanser for every need

LINAPOL

This universal liquid cleanser is now available for household use. Invaluable for the weekly wash, washing-up and general household cleaning. Retails in big 20 oz. bottle at 1/6.

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THE TOILET ROLL THAT SELLS ON SIGHT

The Everest is the attractively cartoned toilet roll you can place on your counter—where housewives can pick it up, and buy, without embarrassment. They welcome it for the protection it gives the family—a scientifically hygienic toilet tissue, strong yet gentle, carrying the Certificate of the Royal Institute of Public Health and Hygiene. Advertised regularly in women's magazines and in buses throughout the country.

Why not carry **EVEREST**

THE Boxed TOILET ROLL

Your customers will be pleased to!

This is a product of KITTYBREWSTER (PAPER) LIMITED
Kittybrewster Works, Aberdeen
Also makers of Silver Silk, Med-O-San, Captis and Tartan Brand Toilet Rolls

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SODIUM SALICYLATE B.P.

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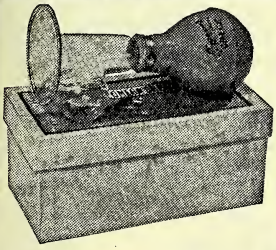
FOR OVER 100 YEARS THE NAME *Ingram's* HAS HELD FIRST PLACE FOR....

Surgical Rubber Goods of Quality!



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'OMEGA' BREAST RELIEVER

Designed in collaboration with the Medical and Nursing professions, Ingram's 'OMEGA' Breast Reliever is a faultless production incorporating a first-quality rubber bulb and fitted with a flawless glass receiver. Boxed complete in display carton.

These have established their Supremacy!

Ingram's

'PERFEX' ENEMA

No Enema has enjoyed such universal approval as Ingram's 'PERFEX.' Beautifully finished in first-quality seamless rubber and perfectly hygienic. Complete with bone rectum pipe and rubber vagina pipe and leather shield. All housed neatly in attractive box.

Throughout Britain, the Empire and in many foreign lands, the name Ingram's, for over 100 years has become synonymous with all that is best in surgical Rubber goods of quality. In Hospitals, Health centres, Clinics and the home an Ingram's product is accepted with confidence.

J. G. INGRAM & SON, LTD
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COMPRESSED MEDICINAL AND OTHER **TABLETS**

made to any Shape or Size up to 1½″ and supplied packed or in bulk

ALSO

CONTRACEPTIVE FOAM **TABLETS**

in the production of which we have extensive and specialised experience

★ **Private Formulae Compounded by Experts** ★

ENQUIRIES INVITED

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BUCKLEY-BOWKER TABLET CO. LTD.

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ESTABLISHED OVER A QUARTER OF A CENTURY

SAN TOWELS

MADE WITH THE FINEST MATERIALS
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Highly absorbent
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hygienic
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BELTS · TRUSSES
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Prices on application

THE SURGICAL APPLIANCE CO. LTD.
Manor Road Works
TWICKENHAM · MIDDLESEX

Phone: POPESGROVE 1461

What does BROMO mean to you?

Even before it won a gold medal in Paris at the Grande Exposition of 1878, *people had been whispering its praises. Behind discreet fans, during the duller passages of dear Mr. Pinero, and even as little Sophie stumbled through the 'Maiden's Prayer,' the word went round: "BROMO is so* strong . . ." *"BROMO is so* soft . . ." *"BROMO is so* safe, *my dear."*

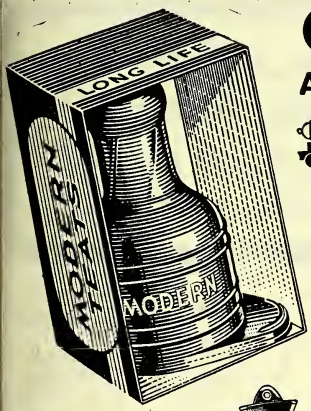
Soon, BROMO—the kindest toilet paper in the world, became known and appreciated by connoisseurs everywhere.

This word-of-mouth market-building is now being supplemented by extensive advertising in the National Women's Magazines, including: Good Housekeeping, Housewife, Lady, Mother & Home, Woman's Pictorial, Wife & Home, and Everywoman. *Your* customers will come in for Bromo; *your* customers will join the select band of life-long devotees—to your *permanent profit.* The large rolls retail at 2/-, packs at 2/11. You are invited to write now for details of generous trade terms.

Diamond Mills Paper Co. Ltd., 8, South St., Park Lane, London, W.1.

CANNON RUBBER

ADVERTISING BOOSTS SALES OF "MODERN" TEATS



In journals with a circulation totalling many millions, the consistent, nation-wide advertising for the MODERN TEAT is part of the CANNON policy of maintaining the high demand naturally developed by the inherent quality of a superior article. Check your stocks now and remember that the one and three hole perforations are equally popular. *In attractive hygienic transparent packs—from your regular wholesalers.*

HARD-SELLING

ADVERTISEMENTS

TO BOOST YOUR SALES

These are just two of a series of high-powered, hard-selling advertisements appearing in the National Film magazines. Designed to appeal to a new, wider market, they are bound to build Hollypax sales—everywhere. Be sure to reap **YOUR** *share of the resultant profits!*

STOCK — DISPLAY — AND **SELL**

holly-Pax

FROM HOLLYWOOD ★

Modern Internal-Type Sanitary Protection

Sole Distributors: FASSETT AND JOHNSON LTD
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ESSENTIAL

GUMS OILS WAXES

BROME & SCHIMMER

WHOLESALE DRUGGISTS

BOTANICAL DRUG AND SPICE IMPORTERS
DRUG AND SPICE MILLERS

7 LEATHER MARKET, LONDON, S.E.1

Take it from me these products
PULL THEIR WEIGHT

Satino

TOILET TISSUE

Satino Toilet Paper in rolls and Interleaved Super soft in boxes —Backed by Nation wide publicity.

KWICK-DRY

HOUSEHOLD TOWELS

A Boon to every housewife. Supplied (Perforated) in rolls. Further details from address below.

Details and Samples can be obtained from the manufacturers:

FREEDER BROTHERS PAPER MILLS
Brimsdown · Enfield · Middlesex
Telephone: HOWard 1847 (5 lines)
Telegrams: Sylhouette, Enfield, Middlesex

They're washable! They're waterproof! They wear & wear

THESE laboratory-tested Li-Lo Baby Pants are sure sellers for efficiency and economy. They come in various styles, each individually packed in an attractive pink-and-white printed envelope. The elastic-leg and open-leg styles are made in either superfine white rubber or frosted translucent plastic (medium and large sizes). The "Snappifit", which has an elastic leg with side fastening, is in plastic only.

Each dozen of one style and size is contained in a cut-out counter display carton, and the minimum order is six dozen assorted.

Li-Lo Baby Pants are all tax free. Order now!

LI-LO baby pants

Made by P. B. COW & CO LTD · 12 HAY HILL · BERKELEY SQUARE W1

Now is the time to stock—META

THE ORIGINAL
SAFE SOLID FUEL
AND
SLUG DESTROYER

Popular demand for Meta is at its height in the "outdoor" season. Meta gives intense heat, is impervious to damp and perfectly safe to use. It does not deteriorate in storage, provided it is in a cool atmoshere.

DEATH TO SLUGS A crumbled tablet mixed with bran or meal and laid on the ground in small heaps positively destroys slugs. Every gardener is, therefore, a potential customer.

SAFETY Solid fuels of this type can be injurious to health if taken internally. META is the only fuel which is specially treated to render it unpalatable to children by giving it a bitter taste.

Meta is packed in the following sizes :-
10's - 1/3d. 20's - 2/4d. 50's - 5/6d.

obtainable through your wholesaler, wholesalers enquiries to :-
M. P. TOULSON LTD., 18 CHEQUER STREET, ST. ALBANS, HERTS

META APPLIANCES

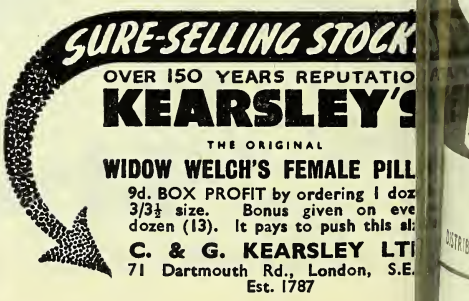
Here are two of the cookin appliances for use with Met

Folding Stand No. 30 whic takes kettle or saucepan and en bodies specially designed burne 8/6d. Retail

Cup Nos. 42 and 71 Burner ar stand fit snugly into cup for carryir No. 42 (capacity approx. ½ pin 9/3d. Retail
No. 71 (capacity approx. 1 pin 12/6d. Retail
Leaflets available for counter distribution.

PHARMACEUTICALS AND CHEMICALS
Talc Powder, Calcium Carbonate prec. B.P., Rennet, Thyroid&Tripoli Powder.Sulph. Lauryl Alc. Pwd&Liq.
B. ADLER, LTD.
111 Finsbury Pavement, London, E.C.2.
Cables: ADRELDA Phone: MONarch 2255/6

THE NATIONAL ASSOCIATION OF OPTICIANS
The next Examination for the Fellowship and Honours Diplomas will be held at Birmingham on July, 9th, 10th, 11th and 12th. The last date of entry is June 9th. Syllabus, Entrance Forms, etc., may be obtained from :
The Secretary, N.A.O.
8 Victoria Street, Liverpool, 2



SELLING MADE SIMPLE!

Selling Dunlop hot water bottles is easy. Here's a name customers know and trust; and all these sturdy, dependable bottles carry the Dunlop seal, a guarantee of good workmanship and lasting service.
For grown-ups there are bottles in the Dunlop range to suit all pockets. For the very young there are the gay and cuddly Dunlop Children's Hot Water Bottles, looking like toys, but just as efficient as the conventional pattern. They are available in Bunny, Teddy, Doggie, Kitty, Red Riding Hood and Clown styles. Every parent is a prospective customer! Stock up now with Dunlop and be sure of steady sales.

DUNLOP

The name your customers trust

Be sure to see the DUNLOP STAND at the B.I.F. at Olympia. The number is E.24

DUNLOP RUBBER CO. LTD. (G.R.G. DIVISION), CAMBRIDGE STREET, MANCHESTER

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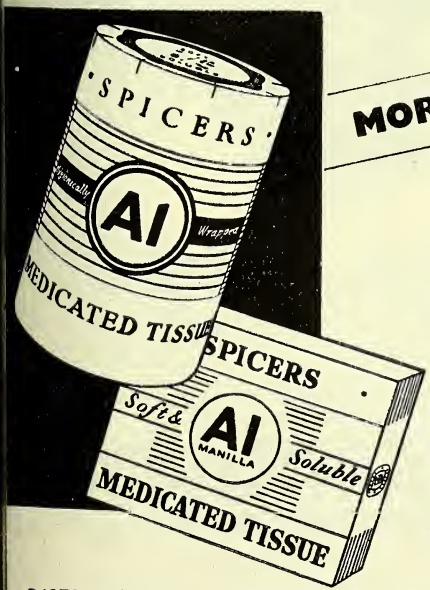


MORE HYGIENIC . . .
HIGHER SALES

In its new sealed wrapping, Spicers famous A1 medicated tissue appeals to housewives more than ever. And consistent advertising together with attractive display material keeps its appeal before them. That's why sales are rising so fast. Cash in on this generous profit maker — stock and display Spicers A1. *Also in flat pack.*

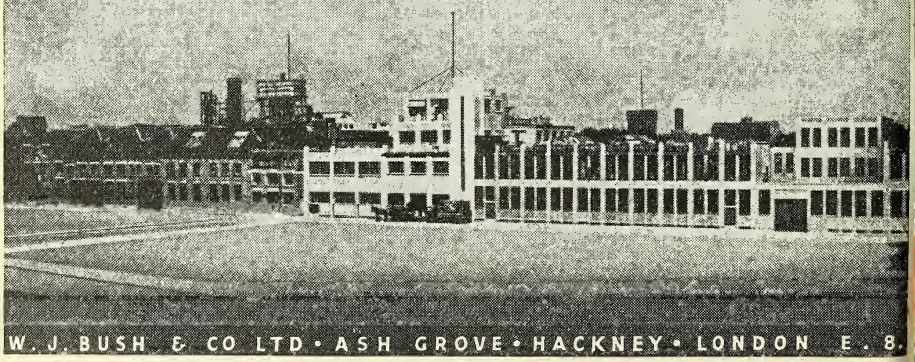
DISTRIBUTORS: G. HAVINDEN LTD., 71 BAKER STREET, LONDON, W.1

100 YEARS OF SERVICE

1851 ~ 1951

BUSH

Synthetic, Fine and Pharmaceutical Chemicals



W. J. BUSH & CO LTD • ASH GROVE • HACKNEY • LONDON E. 8.

Make BIGGER PROFITS with "DiDiT" INSECTICIDES

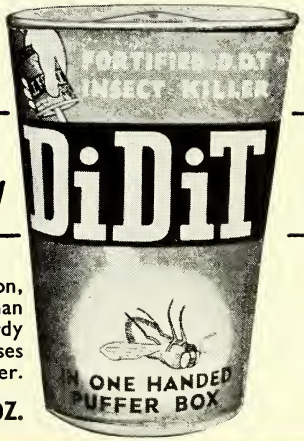
The NEW "DiDiT" Floral FLYCARDS

The new "DiDiT" floral Flycard is a REAL seller. Attractively designed, printed in colour and impregnated with fortified D.D.T. Hung in living rooms, kitchen or larder, it is as efficient as it is attractive, it DOES KILL FLIES. Millions of flycards sold last year. Make sure of your share of this good business by ordering now.

PACKED IN 7"×5½" TRANSPARENT VISCOSE PACKETS RETAILING AT 1/- PER PACKET OF 4 CARDS

COST PRICE 8/- PER DOZEN PACKETS

"DiDiT" INSECT POWDER in the ONE HANDED PUFFER PACK!



Well-known for its immediate "knock-down" action, "DiDiT" fortified insect powder is a better buy than ever in the new one-handed puffer box. Strong, sturdy and foolproof, the simple one-handed action dispenses a fine easy-to-direct spray of "DiDiT" insect killer.

RETAILS AT 1/3 PER BOX. COST 10/- PER DOZ.

RODMILL CHEMICAL CO. LTD

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Telephone: NORTH 1393 Telegrams: "RODMILL LIVERPOOL"

WHOLESALE ONLY

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TABLET BOTTLES

of Quality

Nos. 1 to 7½ sizes
SCREWCAPS — Black Bakelite, White Enamelled Tinplate and Satin Finish Aluminium

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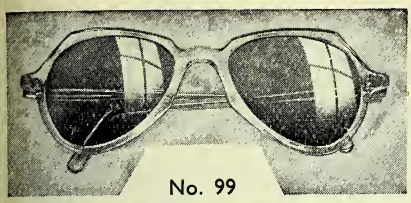
Telephone: York 3021

105 Hatton Garden, London, E.C.1
Telephone: Holborn 2146



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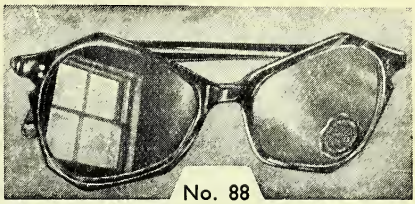

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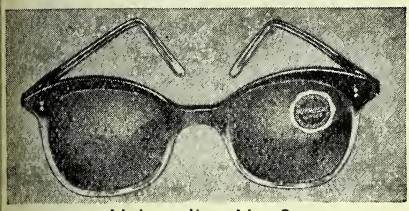

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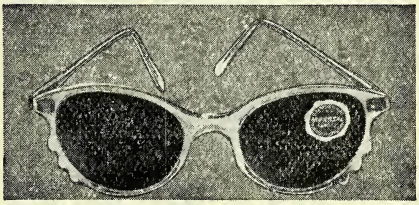

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DISTINCTIVE,
WELL FITTING,
UNDISTORTED VISION

Write for descriptive price list.

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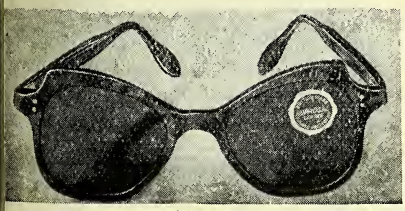
"NUPROSAL" mirrored lenses in colours such as :—
blue, green, gold, red or silver.



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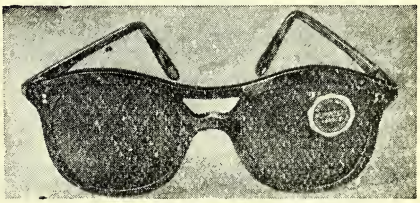

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LATEST NOVELTY :
Nubrowline **"CONFETTI,"** upper part sparkling in 1,000 colours

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A sure 'seller'

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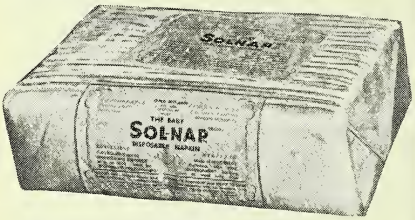

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SOLUBLE NAPPY

DISPOSABLE NAPKIN. Made of absorbent cellulose with pink unabsorbent backing and blue waterproof sheet.

Packets of **24** — **31/6** per doz.
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TIE UP SALES with:
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SMALL — **20/-** per doz.
Retail **2/6** each
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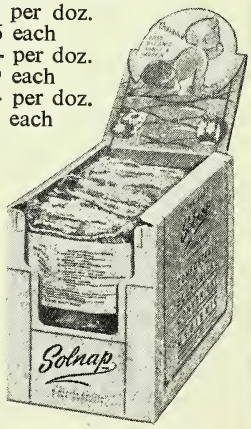

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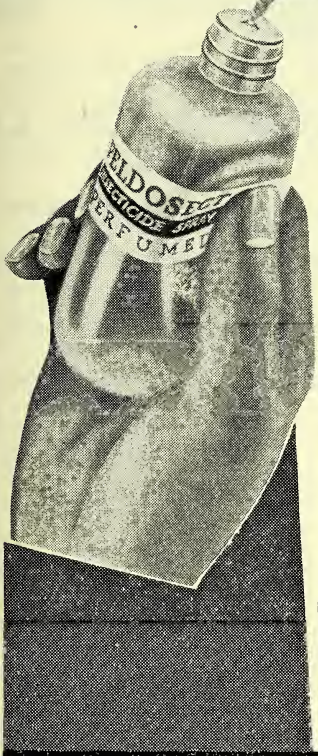
INSECTICIDE SPRAY



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This double action insect spray, incorporating D.D.T. (GEIGY) and PYRETHRINS, is certain death to all insect pests in the home and garden

PRICE:
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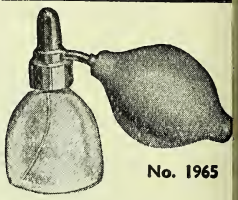

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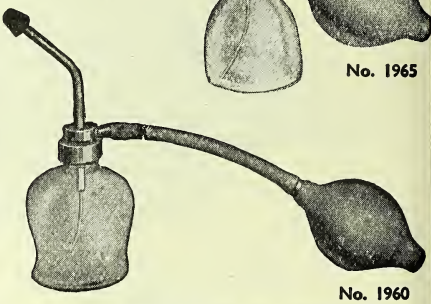

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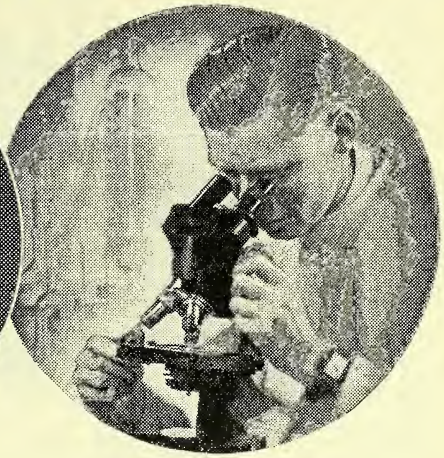

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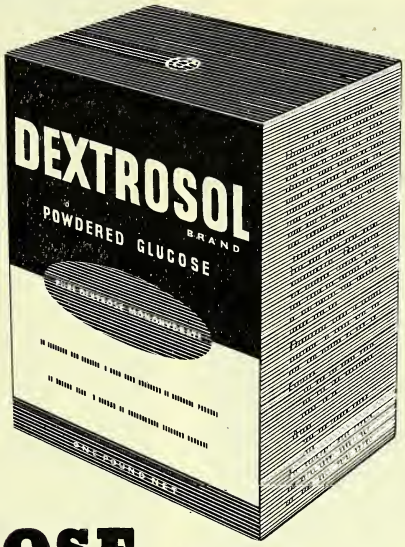

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and the Doctor's Prescription

When a doctor prescribes pure medicinal glucose he is doing so to differentiate between this grade and many forms of glucose which contain mineral and vitamin additives. In such cases chemists can best ensure that the patient is receiving what the doctor has prescribed by dispensing "Dextrosol" Brand Powdered Glucose. This can be obtained through the usual wholesale channels and is packed in 1 lb. cartons.

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A member of the Brown & Polson Group.

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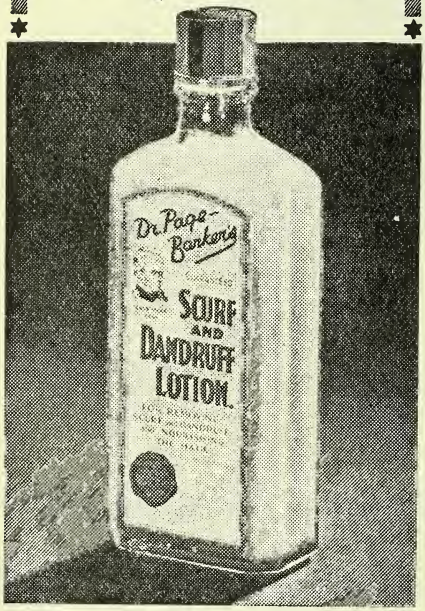

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D.C.L. VITAMIN B1 YEAST TABLETS

Each ounce contains a natural Vitamin B potency equivalent to that of 25 mgm. Aneurin Hydrochloride, 1·4 mgm. of Riboflavin, and 8 mgm. Nicotinic Acid. Each tablet contains 100 I.U. (approx.) Vitamin B1.
100 TABLETS 3/9d. 50 TABLETS 2/3d.

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FENOLIN FLUID

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for WHOOPING COUGH
for use with ELDON VAPORISERS

HALL FORSTER & CO. LTD.
NEWCASTLE UPON TYNE

22

CLINITEST

REGD TRADE MARK

one-minute tablet test for detecting urine-sugar

octors and diabetic patients appreciate the dvantages of this convenient tablet method detecting urine-sugar. Based on the same rinciples as the Benedict Test, 'Clinitest' pro-des a copper-reduction test with all reagents mpressed in a single tablet.

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EEDY — DEPENDABLE. The test takes less than one minute the sensitivity and reliability are equal to the other ndard qualitative copper-reduction tests.

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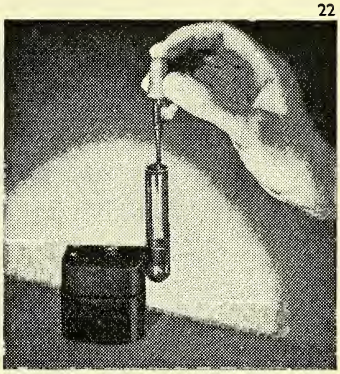

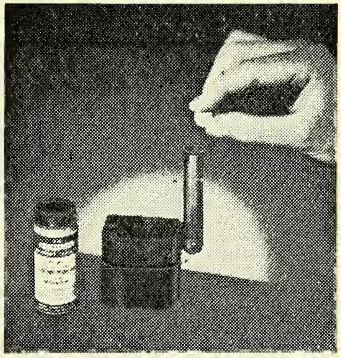

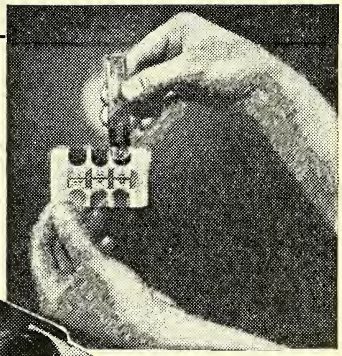

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Approved by the Medical Advisory Committee of the Diabetic Association

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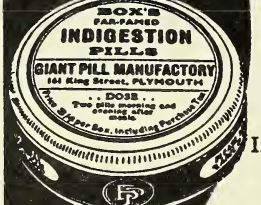

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DR. NIBLETT'S
VITAL RENEWER
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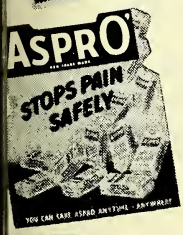

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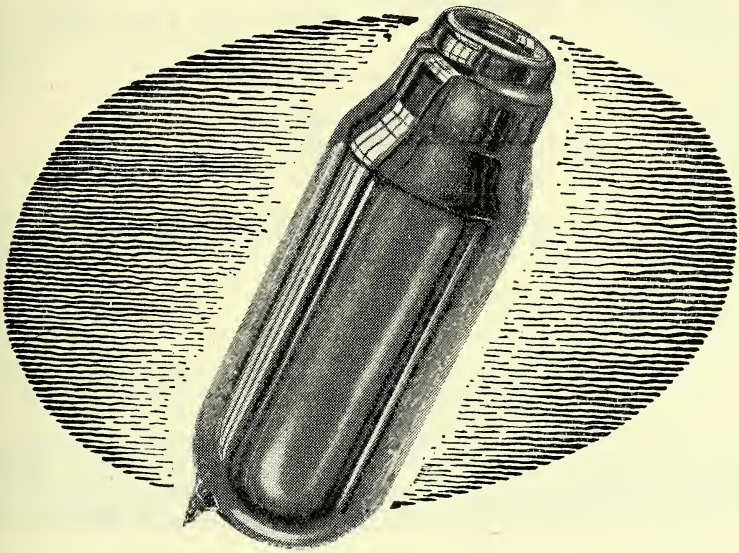
FAMOUS FOR TOOTH POWDER THROUGHOUT THE WORLD

Frizzling or Freezing



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As hot or as cold as you like, the FREZEHEAT Refill maintains the extremes of temperature for very many hours.

FREZEHEAT Refills, made by skilled craftsmen, are rigorously tested at each vital stage of their manufacture to give the highest standard of quality. The world wide success enjoyed by B.V.F Vacuumware is the natural result of this.

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Makers of the famous 'PICNIC-MASTER' Sets for two, four or six persons, also 'SEAL-A-VAC,' the expanding stopper that will not 'pop out' and cannot leak.

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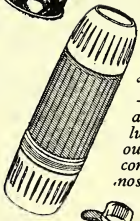
Finished in gay tartan colours this popular flask is fitted with the 'Koolgrip' Cup over an enclosed polished aluminium shoulder to provide easy and comfortable handling of the hottest liquids.



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This unique flask has TWO 'Koolgrip' cups snugly fitted —one at each end. Smart and original design styled in lustrous polystyrene throughout. Brilliant colourings and combinations highlight the most elegant flask yet seen.

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12/10
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waterproof first-aid dressings

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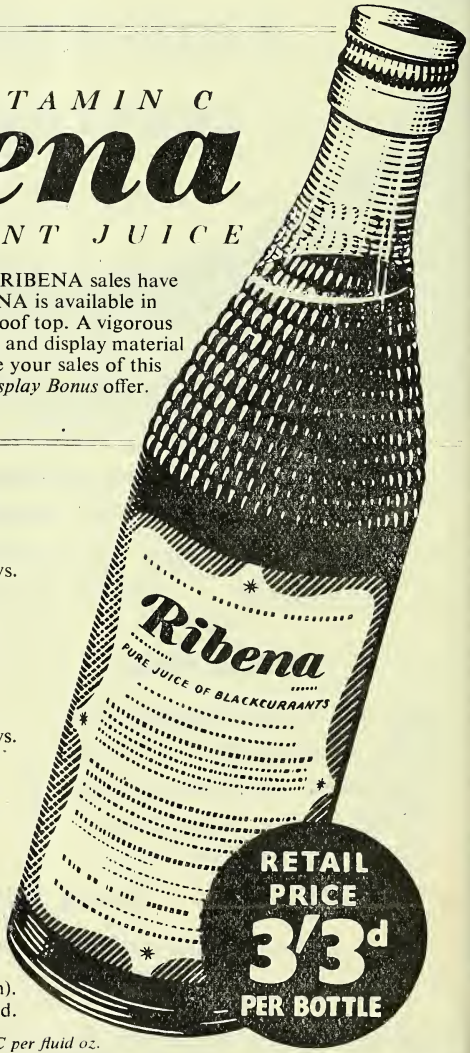

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Plus **Bonus** of 1 bottle per dozen free in exchange for 14 days Window Display. **30/3d.** per dozen net—30 days.

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Containing similar active principles, but made with gelatine base, non-greasy and odourless, for those who prefer this type of contraceptive.

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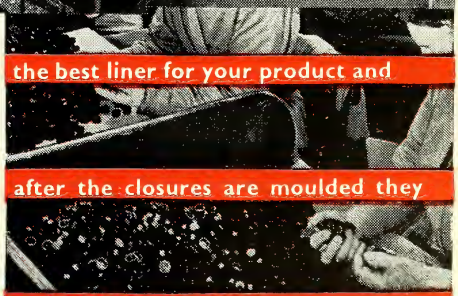

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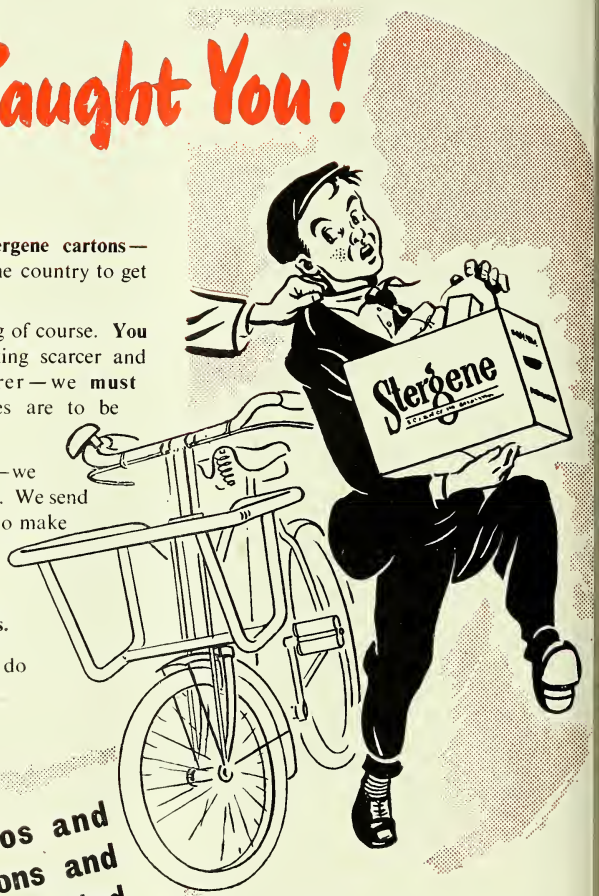

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Please ask your customers to return an empty Stergene or Domestos bottle every time they buy a new one. This reduces the cost, increases your profit! Let our representative remove all empties in **our own** cartons each time he calls.

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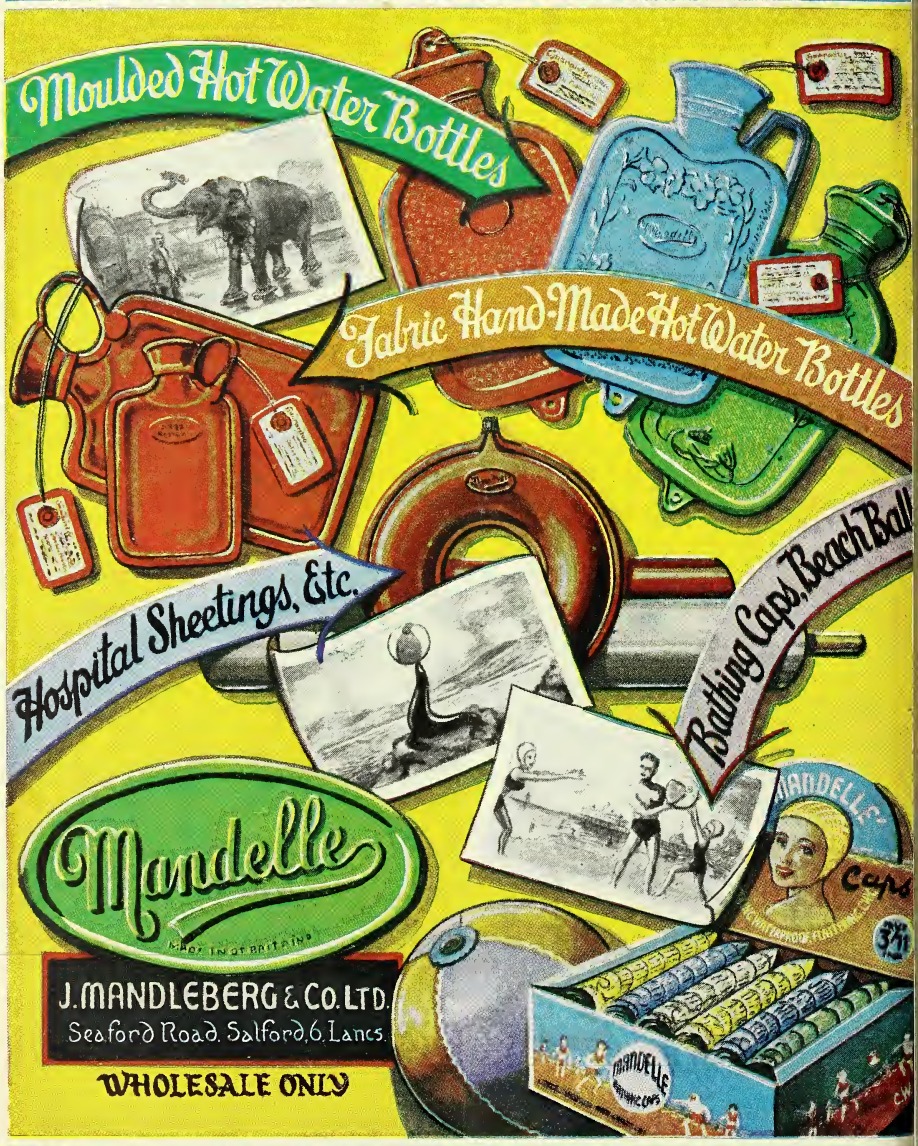
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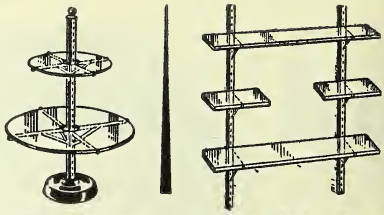

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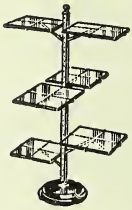

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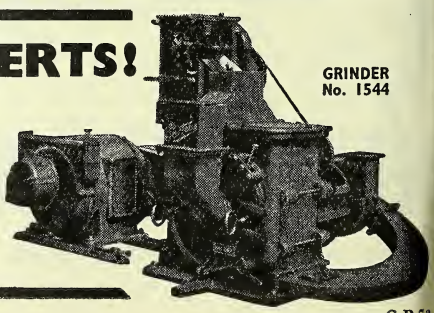

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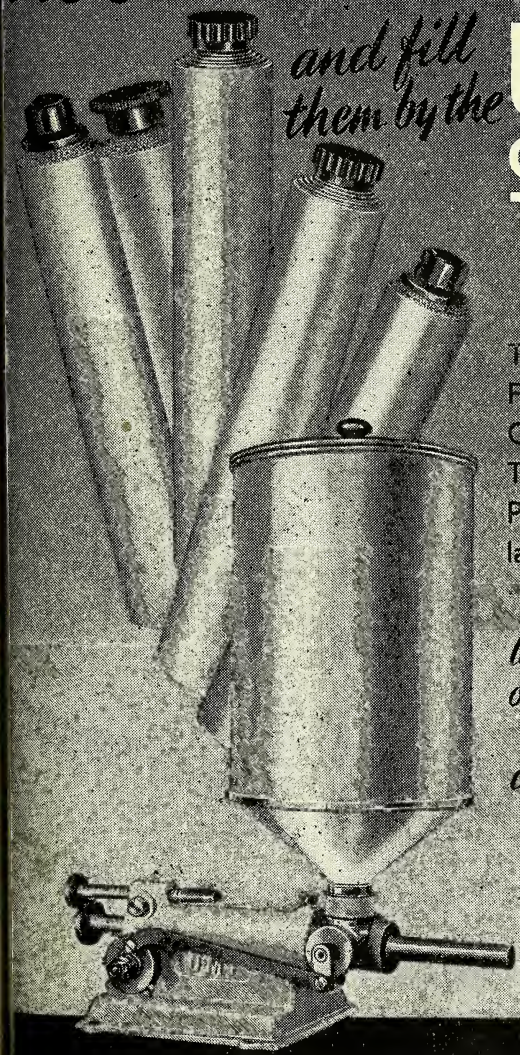
and fill them by the U·M·P COLLAPSIBLE TUBE FILLING UNIT



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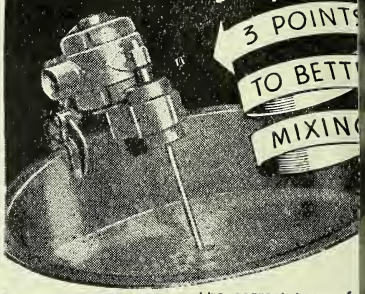

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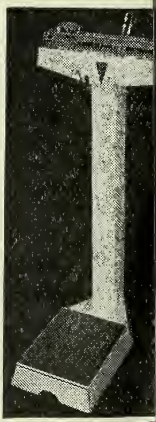

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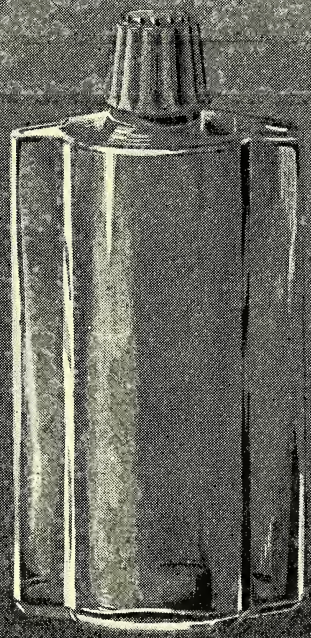

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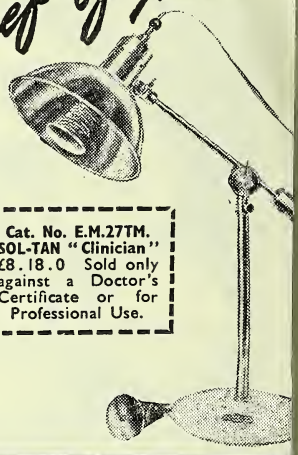

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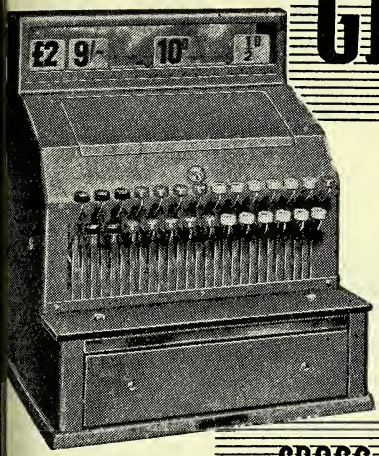

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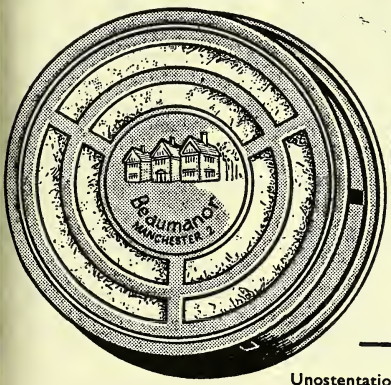

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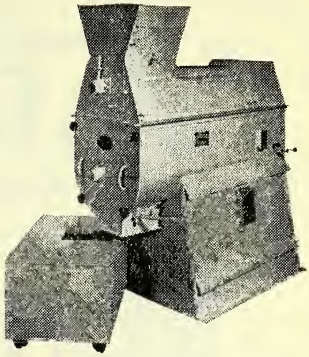

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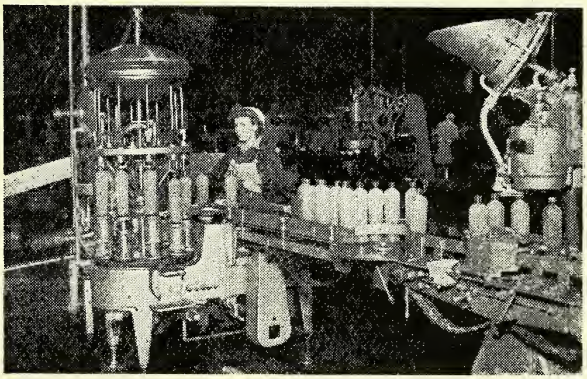

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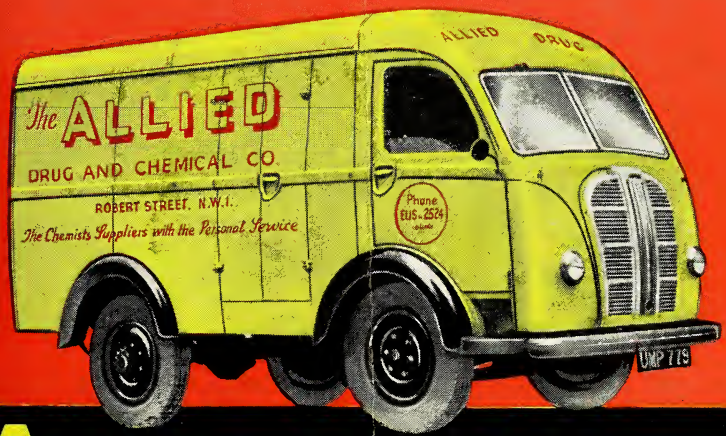

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